

Junctions 8

ARCADY 8 - Roundabout Module

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Filename: CR Existing All Scenarios.arc8

Path: G:\Eng\Transport Implementation\Strategic Economic Plan\Coral Reef RBT\ARCADY

Report generation date: 08/07/2014 15:23:56

-
- » (Default Analysis Set) - 2013, AM
 - » (Default Analysis Set) - 2013, PM
 - » (Default Analysis Set) - 2026, AM
 - » (Default Analysis Set) - 2026, PM
 - » (Default Analysis Set) - 2013 90%, AM
 - » (Default Analysis Set) - 2013 90%, PM
 - » (Default Analysis Set) - 2026 90%, AM
 - » (Default Analysis Set) - 2026 90%, PM

Summary of junction performance

	AM			PM		
	Queue (PCU)	RFC	LOS	Queue (PCU)	RFC	LOS
A1 2013						
A322 Bagshot Rd (N)	8.61	0.90	C	2.57	0.71	A
New Forest Ride	1.89	0.66	B	3.26	0.77	C
A322 Bagshot Rd (S)	143.65	1.13	F	17.27	0.96	D
Nine Mile Ride	101.70	1.32	F	52.48	1.18	F
D1						
A322 Bagshot Rd (N)	4.40	0.82	B	1.87	0.64	A
New Forest Ride	1.17	0.54	A	1.56	0.61	B
A322 Bagshot Rd (S)	20.39	0.97	E	5.53	0.85	A
Nine Mile Ride	39.20	1.12	F	5.83	0.87	E
D2						
A322 Bagshot Rd (N)	1.65	0.61	A	3.56	0.77	A
New Forest Ride	5.86	0.87	D	289.34	1.85	F
A322 Bagshot Rd (S)	105.94	1.07	F	10.97	0.92	C
Nine Mile Ride	340.85	2.19	F	41.96	1.14	F
D3						
A322 Bagshot Rd (N)	1.33	0.56	A	2.41	0.70	A
New Forest Ride	2.49	0.72	B	133.70	1.37	F
A322 Bagshot Rd (S)	14.49	0.94	C	5.63	0.85	A
Nine Mile Ride	159.78	1.69	F	4.61	0.83	D

Values shown are the maximum values over all time segments. Delay is the maximum value of average delay per arriving vehicle.

"D1 - 2013, AM " model duration: 07:45 - 09:15
 "D2 - 2013, PM" model duration: 16:45 - 18:15
 "D3 - 2026, AM" model duration: 07:45 - 09:15
 "D4 - 2026, PM" model duration: 16:45 - 18:15
 "D5 - 2013 90%, AM" model duration: 07:45 - 09:15
 "D6 - 2013 90%, PM" model duration: 16:45 - 18:15
 "D7 - 2026 90%, AM" model duration: 07:45 - 09:15
 "D8 - 2026 90%, PM" model duration: 16:45 - 18:15

Run using Junctions 8.0.4.487 at 08/07/2014 15:23:53

File summary

Title	(untitled)
Location	
Site Number	
Date	04/04/2014
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	
Description	

Analysis Options

Vehicle Length (m)	Do Queue Variations	Calculate Residual Capacity	Residual Capacity Criteria Type	RFC Threshold	Average Delay Threshold (s)	Queue Threshold (PCU)
5.75			N/A	0.85	36.00	20.00

Units

Distance Units	Speed Units	Traffic Units Input	Traffic Units Results	Flow Units	Average Delay Units	Total Delay Units	Rate Of Delay Units
m	kph	PCU	PCU	perHour	s	-Min	perMin

(Default Analysis Set) - 2013, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Profile Type	D1 - 2013, AM	'Turning counts vary over time' option has been selected but all arms use ONE HOUR profile types. Are you sure this is correct?

Analysis Set Details

Name	Roundabout Capacity Model	Description	Include In Report	Use Specific Demand Set(s)	Specific Demand Set (s)	Locked	Network Flow Scaling Factor (%)	Network Capacity Scaling Factor (%)	Reason For Scaling Factors
(Default Analysis Set)	ARCADY		✓				100.000	100.000	

Demand Set Details

Name	Scenario Name	Time Period Name	Description	Traffic Profile Type	Model Start Time (HH:mm)	Model Finish Time (HH:mm)	Model Time Period Length (min)	Time Segment Length (min)	Results For Central Hour Only	Single Time Segment Only	Locked	Run Automatically	Use Relationship	Relationship
2013, AM	2013	AM		Varies by Arm	07:45	09:15	90	15				✓		

Junction Network

Junctions

Junction	Name	Junction Type	Arm Order	Grade Separated	Large Roundabout	Do Geometric Delay	Junction Delay (s)	Junction LOS
1	Coral Reef Roundabout	Roundabout	A,B,C,D				168.95	F

Junction Network Options

Driving Side	Lighting
Left	Normal/unknown

Arms

Arms

Name	Arm	Name	Description
A322 Bagshot Rd (N)	A	A322 Bagshot Rd (N)	
New Forest Ride	B	New Forest Ride	
A322 Bagshot Rd (S)	C	A322 Bagshot Rd (S)	
Nine Mile Ride	D	Nine Mile Ride	

Capacity Options

Name	Minimum Capacity (PCU/hr)	Maximum Capacity (PCU/hr)	Assume Flat Start Profile	Initial Queue (PCU)
A322 Bagshot Rd (N)	0.00	99999.00		0.00
New Forest Ride	0.00	99999.00		0.00
A322 Bagshot Rd (S)	0.00	99999.00		0.00
Nine Mile Ride	0.00	99999.00		0.00

Roundabout Geometry

Name	V - Approach road half-width (m)	E - Entry width (m)	I' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Exit Only
A322 Bagshot Rd (N)	7.40	11.00	25.00	72.00	64.00	12.00	
New Forest Ride	3.70	9.30	16.00	24.00	64.00	19.00	
A322 Bagshot Rd (S)	6.60	11.40	30.00	33.00	64.00	9.00	
Nine Mile Ride	2.80	10.00	16.00	18.00	64.00	13.00	

Slope / Intercept / Capacity

Roundabout Slope and Intercept used in model

Name	Enter slope and intercept directly	Entered slope	Entered intercept (PCU/hr)	Final Slope	Final Intercept (PCU/hr)
A322 Bagshot Rd (N)		(calculated)	(calculated)	0.823	3281.160
New Forest Ride		(calculated)	(calculated)	0.598	2010.480
A322 Bagshot Rd (S)		(calculated)	(calculated)	0.814	3234.577
Nine Mile Ride		(calculated)	(calculated)	0.571	1835.821

The slope and intercept shown above include any corrections and adjustments.

Traffic Flows

Demand Set Data Options

Default Vehicle Mix	Vehicle Mix Varies Over Time	Vehicle Mix Varies Over Turn	Vehicle Mix Varies Over Entry	Vehicle Mix Source	PCU Factor for a HV (PCU)	Default Turning Proportions	Estimate from entry/exit counts	Turning Proportions Vary Over Time	Turning Proportions Vary Over Turn	Turning Proportions Vary Over Entry
	✓	✓	✓	HV Percentages	2.00			✓	✓	✓

Entry Flows

General Flows Data

Name	Profile Type	Use Turning Counts	Average Demand Flow (PCU/hr)	Flow Scaling Factor (%)
A322 Bagshot Rd (N)	ONE HOUR		1630.00	100.000
New Forest Ride	ONE HOUR		438.00	100.000
A322 Bagshot Rd (S)	ONE HOUR		2156.00	100.000
Nine Mile Ride	ONE HOUR		650.00	100.000

Turning Proportions

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (07:45-08:00)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	2.000	66.000	1369.000	112.000
	New Forest Ride	55.000	0.000	155.000	229.000
	A322 Bagshot Rd (S)	1613.000	93.000	5.000	378.000
	Nine Mile Ride	115.000	200.000	280.000	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (07:45-08:00)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.04	0.88	0.07
	New Forest Ride	0.13	0.00	0.35	0.52
	A322 Bagshot Rd (S)	0.77	0.04	0.00	0.18
	Nine Mile Ride	0.19	0.34	0.47	0.00

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (08:00-08:15)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	0.000	0.000	0.000
	New Forest Ride	0.000	0.000	0.000	0.000
	A322 Bagshot Rd (S)	0.000	0.000	0.000	0.000
	Nine Mile Ride	0.000	0.000	0.000	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (08:00-08:15)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.25	0.25	0.25	0.25
	New Forest Ride	0.25	0.25	0.25	0.25
	A322 Bagshot Rd (S)	0.25	0.25	0.25	0.25
	Nine Mile Ride	0.25	0.25	0.25	0.25

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (08:15-08:30)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	0.000	0.000	0.000
	New Forest Ride	0.000	0.000	0.000	0.000
	A322 Bagshot Rd (S)	0.000	0.000	0.000	0.000
	Nine Mile Ride	0.000	0.000	0.000	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (08:15-08:30)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.25	0.25	0.25	0.25
	New Forest Ride	0.25	0.25	0.25	0.25
	A322 Bagshot Rd (S)	0.25	0.25	0.25	0.25
	Nine Mile Ride	0.25	0.25	0.25	0.25

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (08:30-08:45)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	0.000	0.000	0.000
	New Forest Ride	0.000	0.000	0.000	0.000
	A322 Bagshot Rd (S)	0.000	0.000	0.000	0.000
	Nine Mile Ride	0.000	0.000	0.000	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (08:30-08:45)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.25	0.25	0.25	0.25
	New Forest Ride	0.25	0.25	0.25	0.25
	A322 Bagshot Rd (S)	0.25	0.25	0.25	0.25
	Nine Mile Ride	0.25	0.25	0.25	0.25

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (08:45-09:00)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	0.000	0.000	0.000
	New Forest Ride	0.000	0.000	0.000	0.000
	A322 Bagshot Rd (S)	0.000	0.000	0.000	0.000
	Nine Mile Ride	0.000	0.000	0.000	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (08:45-09:00)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.25	0.25	0.25	0.25
	New Forest Ride	0.25	0.25	0.25	0.25
	A322 Bagshot Rd (S)	0.25	0.25	0.25	0.25
	Nine Mile Ride	0.25	0.25	0.25	0.25

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (09:00-09:15)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	0.000	0.000	0.000
	New Forest Ride	0.000	0.000	0.000	0.000
	A322 Bagshot Rd (S)	0.000	0.000	0.000	0.000
	Nine Mile Ride	0.000	0.000	0.000	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (09:00-09:15)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.25	0.25	0.25	0.25
	New Forest Ride	0.25	0.25	0.25	0.25
	A322 Bagshot Rd (S)	0.25	0.25	0.25	0.25
	Nine Mile Ride	0.25	0.25	0.25	0.25

Vehicle Mix

Average PCU Per Vehicle - Coral Reef Roundabout - (07:45-08:00)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.000	1.000	1.000
	New Forest Ride	1.000	1.000	1.000	1.000
	A322 Bagshot Rd (S)	1.000	1.000	1.000	1.000
	Nine Mile Ride	1.000	1.000	1.000	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (07:45-08:00)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	0.0	0.0	0.0
	New Forest Ride	0.0	0.0	0.0	0.0
	A322 Bagshot Rd (S)	0.0	0.0	0.0	0.0
	Nine Mile Ride	0.0	0.0	0.0	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (08:00-08:15)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.000	1.000	1.000
	New Forest Ride	1.000	1.000	1.000	1.000
	A322 Bagshot Rd (S)	1.000	1.000	1.000	1.000
	Nine Mile Ride	1.000	1.000	1.000	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (08:00-08:15)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	0.0	0.0	0.0
	New Forest Ride	0.0	0.0	0.0	0.0
	A322 Bagshot Rd (S)	0.0	0.0	0.0	0.0
	Nine Mile Ride	0.0	0.0	0.0	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (08:15-08:30)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.000	1.000	1.000
	New Forest Ride	1.000	1.000	1.000	1.000
	A322 Bagshot Rd (S)	1.000	1.000	1.000	1.000
	Nine Mile Ride	1.000	1.000	1.000	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (08:15-08:30)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	0.0	0.0	0.0
	New Forest Ride	0.0	0.0	0.0	0.0
	A322 Bagshot Rd (S)	0.0	0.0	0.0	0.0
	Nine Mile Ride	0.0	0.0	0.0	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (08:30-08:45)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.000	1.000	1.000
	New Forest Ride	1.000	1.000	1.000	1.000
	A322 Bagshot Rd (S)	1.000	1.000	1.000	1.000
	Nine Mile Ride	1.000	1.000	1.000	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (08:30-08:45)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	0.0	0.0	0.0
	New Forest Ride	0.0	0.0	0.0	0.0
	A322 Bagshot Rd (S)	0.0	0.0	0.0	0.0
	Nine Mile Ride	0.0	0.0	0.0	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (08:45-09:00)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.000	1.000	1.000
	New Forest Ride	1.000	1.000	1.000	1.000
	A322 Bagshot Rd (S)	1.000	1.000	1.000	1.000
	Nine Mile Ride	1.000	1.000	1.000	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (08:45-09:00)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	0.0	0.0	0.0
	New Forest Ride	0.0	0.0	0.0	0.0
	A322 Bagshot Rd (S)	0.0	0.0	0.0	0.0
	Nine Mile Ride	0.0	0.0	0.0	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (09:00-09:15)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.000	1.000	1.000
	New Forest Ride	1.000	1.000	1.000	1.000
	A322 Bagshot Rd (S)	1.000	1.000	1.000	1.000
	Nine Mile Ride	1.000	1.000	1.000	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (09:00-09:15)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	0.0	0.0	0.0
	New Forest Ride	0.0	0.0	0.0	0.0
	A322 Bagshot Rd (S)	0.0	0.0	0.0	0.0
	Nine Mile Ride	0.0	0.0	0.0	0.0

Results

Results Summary for whole modelled period

Name	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)	Total Queueing Delay (PCU-min)	Average Queueing Delay (s)	Rate Of Queueing Delay (PCU-min/min)	Inclusive Total Queueing Delay (PCU-min)	Inclusive Average Queueing Delay (s)
A322 Bagshot Rd (N)	0.90	18.23	8.61	C	1495.72	2243.57	350.01	9.36	3.89	350.06	9.36
New Forest Ride	0.66	14.48	1.89	B	401.92	602.87	92.01	9.16	1.02	92.02	9.16
A322 Bagshot Rd (S)	1.13	190.41	143.65	F	1978.38	2967.57	4086.00	82.61	45.40	4086.06	82.61
Nine Mile Ride	1.32	579.83	101.70	F	596.45	894.68	3964.90	265.90	44.05	4011.41	269.02

Main Results for each time segment

Main results: (07:45-08:00)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1227.15	306.79	1224.22	1386.27	467.94	0.00	2896.11	2874.24	0.424	0.00	0.73	2.149	A
New Forest Ride	329.75	82.44	328.19	287.55	1404.61	0.00	1169.94	235.06	0.282	0.00	0.39	4.269	A
A322 Bagshot Rd (S)	1623.15	405.79	1618.42	1430.39	302.41	0.00	2988.51	2938.72	0.543	0.00	1.18	2.619	A
Nine Mile Ride	489.35	122.34	485.93	552.56	1368.27	0.00	1054.30	442.09	0.464	0.00	0.85	6.296	A

Main results: (08:00-08:15)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1465.34	366.33	1458.63	1087.06	1484.16	0.00	2059.89	2028.25	0.711	0.73	2.41	5.924	A
New Forest Ride	393.75	98.44	392.23	1084.04	1858.75	0.00	898.17	652.57	0.438	0.39	0.77	7.094	A
A322 Bagshot Rd (S)	1938.20	484.55	1922.20	1087.31	1163.67	0.00	2287.71	1900.11	0.847	1.18	5.18	9.468	A
Nine Mile Ride	584.34	146.08	569.78	1084.43	2001.44	0.00	692.66	545.87	0.844	0.85	4.49	26.739	D

Main results: (08:15-08:30)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1794.66	448.67	1772.52	1222.12	1574.39	0.00	1985.64	2028.26	0.904	2.41	7.94	15.508	C
New Forest Ride	482.25	120.56	478.12	1222.12	2124.79	0.00	738.96	652.57	0.653	0.77	1.80	13.592	B
A322 Bagshot Rd (S)	2373.80	593.45	2094.07	1222.12	1380.80	0.00	2111.04	1900.11	1.124	5.18	75.12	76.617	F
Nine Mile Ride	715.66	178.92	543.77	1222.12	2252.74	0.00	549.12	545.87	1.303	4.49	47.47	188.686	F

Main results: (08:30-08:45)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1794.66	448.67	1791.99	1228.99	1577.11	0.00	1983.42	2028.26	0.905	7.94	8.61	18.226	C
New Forest Ride	482.25	120.56	481.89	1228.99	2140.11	0.00	729.80	652.57	0.661	1.80	1.89	14.478	B
A322 Bagshot Rd (S)	2373.80	593.45	2099.66	1228.99	1393.01	0.00	2101.10	1900.11	1.130	75.12	143.65	190.413	F
Nine Mile Ride	715.66	178.92	542.41	1228.99	2263.69	0.00	542.87	545.87	1.318	47.47	90.78	471.444	F

Main results: (08:45-09:00)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1465.34	366.33	1486.90	1171.62	1635.52	0.00	1935.34	2028.25	0.757	8.61	3.22	8.389	A
New Forest Ride	393.75	98.44	397.76	1171.62	1950.79	0.00	843.09	652.57	0.467	1.89	0.89	8.154	A
A322 Bagshot Rd (S)	1938.20	484.55	2261.18	1171.62	1176.93	0.00	2276.92	1900.11	0.851	143.65	62.90	165.762	F
Nine Mile Ride	584.34	146.08	540.65	1171.62	2266.49	0.00	541.27	545.87	1.080	90.78	101.70	579.834	F

Main results: (09:00-09:15)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1227.15	306.79	1233.41	1047.21	1584.52	0.00	1977.31	2028.25	0.621	3.22	1.66	4.880	A
New Forest Ride	329.75	82.44	331.17	1047.21	1770.71	0.00	950.85	652.57	0.347	0.89	0.54	5.824	A
A322 Bagshot Rd (S)	1623.15	405.79	1865.94	1047.21	1054.67	0.00	2376.41	1900.11	0.683	62.90	2.21	11.823	B
Nine Mile Ride	489.35	122.34	758.34	1047.21	1873.39	0.00	765.80	545.87	0.639	101.70	34.46	326.830	F

Queueing Delay Results for each time segment

Queueing Delay results: (07:45-08:00)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	10.79	0.72	2.149	A	A
New Forest Ride	5.70	0.38	4.269	A	A
A322 Bagshot Rd (S)	17.28	1.15	2.619	A	A
Nine Mile Ride	12.29	0.82	6.296	A	A

Queueing Delay results: (08:00-08:15)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	34.15	2.28	5.924	A	A
New Forest Ride	11.12	0.74	7.094	A	A
A322 Bagshot Rd (S)	69.33	4.62	9.468	A	A
Nine Mile Ride	55.49	3.70	26.739	D	C

Queueing Delay results: (08:15-08:30)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	100.08	6.67	15.508	C	B
New Forest Ride	24.95	1.66	13.592	B	B
A322 Bagshot Rd (S)	620.40	41.36	76.617	F	E
Nine Mile Ride	395.26	26.35	188.686	F	F

Queueing Delay results: (08:30-08:45)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	125.13	8.34	18.226	C	B
New Forest Ride	27.90	1.86	14.478	B	B
A322 Bagshot Rd (S)	1641.26	109.42	190.413	F	F
Nine Mile Ride	1037.03	69.14	471.444	F	F

Queueing Delay results: (08:45-09:00)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	53.97	3.60	8.389	A	A
New Forest Ride	14.05	0.94	8.154	A	A
A322 Bagshot Rd (S)	1549.14	103.28	165.762	F	F
Nine Mile Ride	1443.66	96.24	579.834	F	F

Queueing Delay results: (09:00-09:15)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	25.91	1.73	4.880	A	A
New Forest Ride	8.29	0.55	5.824	A	A
A322 Bagshot Rd (S)	188.58	12.57	11.823	B	B
Nine Mile Ride	1021.18	68.08	326.830	F	F

(Default Analysis Set) - 2013, PM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

Name	Roundabout Capacity Model	Description	Include In Report	Use Specific Demand Set(s)	Specific Demand Set (s)	Locked	Network Flow Scaling Factor (%)	Network Capacity Scaling Factor (%)	Reason For Scaling Factors
(Default Analysis Set)	ARCADY		✓				100.000	100.000	

Demand Set Details

Name	Scenario Name	Time Period Name	Description	Traffic Profile Type	Model Start Time (HH:mm)	Model Finish Time (HH:mm)	Model Time Period Length (min)	Time Segment Length (min)	Results For Central Hour Only	Single Time Segment Only	Locked	Run Automatically	Use Relationship	Relationship
2013, PM	2013	PM		ONE HOUR	16:45	18:15	90	15				✓		

Junction Network

Junctions

Junction	Name	Junction Type	Arm Order	Grade Separated	Large Roundabout	Do Geometric Delay	Junction Delay (s)	Junction LOS
1	Coral Reef Roundabout	Roundabout	A,B,C,D				44.14	E

Junction Network Options

Driving Side	Lighting
Left	Normal/unknown

Arms

Arms

Name	Arm	Name	Description
A322 Bagshot Rd (N)	A	A322 Bagshot Rd (N)	
New Forest Ride	B	New Forest Ride	
A322 Bagshot Rd (S)	C	A322 Bagshot Rd (S)	
Nine Mile Ride	D	Nine Mile Ride	

Capacity Options

Name	Minimum Capacity (PCU/hr)	Maximum Capacity (PCU/hr)	Assume Flat Start Profile	Initial Queue (PCU)
A322 Bagshot Rd (N)	0.00	99999.00		0.00
New Forest Ride	0.00	99999.00		0.00
A322 Bagshot Rd (S)	0.00	99999.00		0.00
Nine Mile Ride	0.00	99999.00		0.00

Roundabout Geometry

Name	V - Approach road half-width (m)	E - Entry width (m)	I' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Exit Only
A322 Bagshot Rd (N)	7.40	11.00	25.00	72.00	64.00	12.00	
New Forest Ride	3.70	9.30	16.00	24.00	64.00	19.00	
A322 Bagshot Rd (S)	6.60	11.40	30.00	33.00	64.00	9.00	
Nine Mile Ride	2.80	10.00	16.00	18.00	64.00	13.00	

Slope / Intercept / Capacity

Roundabout Slope and Intercept used in model

Name	Enter slope and intercept directly	Entered slope	Entered intercept (PCU/hr)	Final Slope	Final Intercept (PCU/hr)
A322 Bagshot Rd (N)		(calculated)	(calculated)	0.823	3281.160
New Forest Ride		(calculated)	(calculated)	0.598	2010.480
A322 Bagshot Rd (S)		(calculated)	(calculated)	0.814	3234.577
Nine Mile Ride		(calculated)	(calculated)	0.571	1835.821

The slope and intercept shown above include any corrections and adjustments.

Traffic Flows

Demand Set Data Options

Default Vehicle Mix	Vehicle Mix Varies Over Time	Vehicle Mix Varies Over Turn	Vehicle Mix Varies Over Entry	Vehicle Mix Source	PCU Factor for a HV (PCU)	Default Turning Proportions	Estimate from entry/exit counts	Turning Proportions Vary Over Time	Turning Proportions Vary Over Turn	Turning Proportions Vary Over Entry
		✓	✓	HV Percentages	2.00				✓	✓

Entry Flows

General Flows Data

Name	Profile Type	Use Turning Counts	Average Demand Flow (PCU/hr)	Flow Scaling Factor (%)
A322 Bagshot Rd (N)	ONE HOUR	✓	1769.00	100.000
New Forest Ride	ONE HOUR	✓	520.00	100.000
A322 Bagshot Rd (S)	ONE HOUR	✓	2390.00	100.000
Nine Mile Ride	ONE HOUR	✓	595.00	100.000

Turning Proportions

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout (for whole period)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	5.000	86.000	1587.000	91.000
	New Forest Ride	156.000	0.000	77.000	287.000
	A322 Bagshot Rd (S)	1701.000	176.000	7.000	506.000
	Nine Mile Ride	115.000	199.000	281.000	0.000

Turning Proportions (PCU) - Coral Reef Roundabout (for whole period)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.05	0.90	0.05
	New Forest Ride	0.30	0.00	0.15	0.55
	A322 Bagshot Rd (S)	0.71	0.07	0.00	0.21
	Nine Mile Ride	0.19	0.33	0.47	0.00

Vehicle Mix

Average PCU Per Vehicle - Coral Reef Roundabout (for whole period)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout (for whole period)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Results

Results Summary for whole modelled period

Name	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)	Total Queueing Delay (PCU-min)	Average Queueing Delay (s)	Rate Of Queueing Delay (PCU-min/min)	Inclusive Total Queueing Delay (PCU-min)	Inclusive Average Queueing Delay (s)
A322 Bagshot Rd (N)	0.71	4.78	2.57	A	1623.27	2434.90	147.83	3.64	1.64	147.84	3.64
New Forest Ride	0.77	21.28	3.26	C	477.16	715.74	137.00	11.48	1.52	137.00	11.48
A322 Bagshot Rd (S)	0.96	25.12	17.27	D	2193.11	3289.66	570.77	10.41	6.34	570.80	10.41
Nine Mile Ride	1.18	257.58	52.48	F	545.98	818.97	1279.29	93.72	14.21	1279.32	93.73

Main Results for each time segment

Main results: (16:45-17:00)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1331.80	332.95	1328.13	1482.28	495.76	0.00	2873.22	2785.17	0.464	0.00	0.92	2.475	A
New Forest Ride	391.48	97.87	389.35	345.20	1478.69	0.00	1125.60	286.68	0.348	0.00	0.53	4.913	A
A322 Bagshot Rd (S)	1799.32	449.83	1792.62	1464.27	403.77	0.00	2906.03	2912.87	0.619	0.00	1.68	3.344	A
Nine Mile Ride	447.95	111.99	444.39	662.74	1533.65	0.00	959.85	470.70	0.467	0.00	0.89	7.159	A

Main results: (17:00-17:15)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1590.29	397.57	1588.37	1771.65	591.75	0.00	2794.23	2785.17	0.569	0.92	1.40	3.174	A
New Forest Ride	467.47	116.87	465.78	412.32	1767.81	0.00	952.59	286.68	0.491	0.53	0.96	7.426	A
A322 Bagshot Rd (S)	2148.56	537.14	2142.66	1750.58	483.00	0.00	2841.56	2912.87	0.756	1.68	3.15	5.316	A
Nine Mile Ride	534.89	133.72	530.15	792.42	1833.25	0.00	788.73	470.70	0.678	0.89	2.07	14.113	B

Main results: (17:15-17:30)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1947.71	486.93	1943.12	2122.36	646.41	0.00	2749.25	2785.17	0.708	1.40	2.54	4.729	A
New Forest Ride	572.53	143.13	563.96	470.78	2118.74	0.00	742.58	286.68	0.771	0.96	3.10	19.454	C
A322 Bagshot Rd (S)	2631.44	657.86	2585.65	2096.80	585.90	0.00	2757.84	2912.87	0.954	3.15	14.60	18.283	C
Nine Mile Ride	655.11	163.78	555.87	958.64	2212.91	0.00	571.87	470.70	1.146	2.07	26.89	111.788	F

Main results: (17:30-17:45)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1947.71	486.93	1947.62	2149.13	646.57	0.00	2749.12	2785.17	0.708	2.54	2.57	4.782	A
New Forest Ride	572.53	143.13	571.90	472.54	2121.65	0.00	740.85	286.68	0.773	3.10	3.26	21.276	C
A322 Bagshot Rd (S)	2631.44	657.86	2620.75	2100.64	592.91	0.00	2752.13	2912.87	0.956	14.60	17.27	25.115	D
Nine Mile Ride	655.11	163.78	552.73	970.69	2242.97	0.00	554.70	470.70	1.181	26.89	52.48	257.585	F

Main results: (17:45-18:00)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1590.29	397.57	1594.14	1857.52	759.01	0.00	2656.59	2785.17	0.599	2.57	1.60	3.621	A
New Forest Ride	467.47	116.87	475.97	484.52	1868.63	0.00	892.26	286.68	0.524	3.26	1.13	8.883	A
A322 Bagshot Rd (S)	2148.56	537.14	2204.27	1852.60	492.00	0.00	2834.24	2912.87	0.758	17.27	3.35	6.462	A
Nine Mile Ride	534.89	133.72	731.64	811.38	1884.89	0.00	759.23	470.70	0.705	52.48	3.29	136.852	F

Main results: (18:00-18:15)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1331.80	332.95	1334.49	1495.57	507.27	0.00	2863.75	2785.17	0.465	1.60	0.93	2.511	A
New Forest Ride	391.48	97.87	393.82	350.84	1490.92	0.00	1118.29	286.68	0.350	1.13	0.55	5.024	A
A322 Bagshot Rd (S)	1799.32	449.83	1805.85	1476.81	407.92	0.00	2902.66	2912.87	0.620	3.35	1.71	3.437	A
Nine Mile Ride	447.95	111.99	457.40	668.33	1545.44	0.00	953.11	470.70	0.470	3.29	0.93	7.630	A

Queueing Delay Results for each time segment

Queueing Delay results: (16:45-17:00)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	13.44	0.90	2.475	A	A
New Forest Ride	7.75	0.52	4.913	A	A
A322 Bagshot Rd (S)	24.30	1.62	3.344	A	A
Nine Mile Ride	12.73	0.85	7.159	A	A

Queueing Delay results: (17:00-17:15)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	20.46	1.36	3.174	A	A
New Forest Ride	13.78	0.92	7.426	A	A
A322 Bagshot Rd (S)	44.89	2.99	5.316	A	A
Nine Mile Ride	28.59	1.91	14.113	B	B

Queueing Delay results: (17:15-17:30)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	36.56	2.44	4.729	A	A
New Forest Ride	40.78	2.72	19.454	C	B
A322 Bagshot Rd (S)	169.56	11.30	18.283	C	B
Nine Mile Ride	231.21	15.41	111.788	F	F

Queueing Delay results: (17:30-17:45)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	38.35	2.56	4.782	A	A
New Forest Ride	47.91	3.19	21.276	C	C
A322 Bagshot Rd (S)	241.94	16.13	25.115	D	C
Nine Mile Ride	595.94	39.73	257.585	F	F

Queueing Delay results: (17:45-18:00)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	24.78	1.65	3.621	A	A
New Forest Ride	18.32	1.22	8.883	A	A
A322 Bagshot Rd (S)	63.54	4.24	6.462	A	A
Nine Mile Ride	395.74	26.38	136.852	F	F

Queueing Delay results: (18:00-18:15)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	14.24	0.95	2.511	A	A
New Forest Ride	8.47	0.56	5.024	A	A
A322 Bagshot Rd (S)	26.55	1.77	3.437	A	A
Nine Mile Ride	15.08	1.01	7.630	A	A

(Default Analysis Set) - 2026, AM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

Name	Roundabout Capacity Model	Description	Include In Report	Use Specific Demand Set(s)	Specific Demand Set (s)	Locked	Network Flow Scaling Factor (%)	Network Capacity Scaling Factor (%)	Reason For Scaling Factors
(Default Analysis Set)	ARCADY		✓				100.000	100.000	

Demand Set Details

Name	Scenario Name	Time Period Name	Description	Traffic Profile Type	Model Start Time (HH:mm)	Model Finish Time (HH:mm)	Model Time Period Length (min)	Time Segment Length (min)	Results For Central Hour Only	Single Time Segment Only	Locked	Run Automatically	Use Relationship	Relationship
2026, AM	2026	AM		ONE HOUR	07:45	09:15	90	15				✓		

Junction Network

Junctions

Junction	Name	Junction Type	Arm Order	Grade Separated	Large Roundabout	Do Geometric Delay	Junction Delay (s)	Junction LOS
1	Coral Reef Roundabout	Roundabout	A,B,C,D				321.98	F

Junction Network Options

Driving Side	Lighting
Left	Normal/unknown

Arms

Arms

Name	Arm	Name	Description
A322 Bagshot Rd (N)	A	A322 Bagshot Rd (N)	
New Forest Ride	B	New Forest Ride	
A322 Bagshot Rd (S)	C	A322 Bagshot Rd (S)	
Nine Mile Ride	D	Nine Mile Ride	

Capacity Options

Name	Minimum Capacity (PCU/hr)	Maximum Capacity (PCU/hr)	Assume Flat Start Profile	Initial Queue (PCU)
A322 Bagshot Rd (N)	0.00	99999.00		0.00
New Forest Ride	0.00	99999.00		0.00
A322 Bagshot Rd (S)	0.00	99999.00		0.00
Nine Mile Ride	0.00	99999.00		0.00

Roundabout Geometry

Name	V - Approach road half-width (m)	E - Entry width (m)	I' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Exit Only
A322 Bagshot Rd (N)	7.40	11.00	25.00	72.00	64.00	12.00	
New Forest Ride	3.70	9.30	16.00	24.00	64.00	19.00	
A322 Bagshot Rd (S)	6.60	11.40	30.00	33.00	64.00	9.00	
Nine Mile Ride	2.80	10.00	16.00	18.00	64.00	13.00	

Slope / Intercept / Capacity

Roundabout Slope and Intercept used in model

Name	Enter slope and intercept directly	Entered slope	Entered intercept (PCU/hr)	Final Slope	Final Intercept (PCU/hr)
A322 Bagshot Rd (N)		(calculated)	(calculated)	0.823	3281.160
New Forest Ride		(calculated)	(calculated)	0.598	2010.480
A322 Bagshot Rd (S)		(calculated)	(calculated)	0.814	3234.577
Nine Mile Ride		(calculated)	(calculated)	0.571	1835.821

The slope and intercept shown above include any corrections and adjustments.

Traffic Flows

Demand Set Data Options

Default Vehicle Mix	Vehicle Mix Varies Over Time	Vehicle Mix Varies Over Turn	Vehicle Mix Varies Over Entry	Vehicle Mix Source	PCU Factor for a HV (PCU)	Default Turning Proportions	Estimate from entry/exit counts	Turning Proportions Vary Over Time	Turning Proportions Vary Over Turn	Turning Proportions Vary Over Entry
		✓	✓	HV Percentages	2.00				✓	✓

Entry Flows

General Flows Data

Name	Profile Type	Use Turning Counts	Average Demand Flow (PCU/hr)	Flow Scaling Factor (%)
A322 Bagshot Rd (N)	ONE HOUR	✓	1566.00	100.000
New Forest Ride	ONE HOUR	✓	628.00	100.000
A322 Bagshot Rd (S)	ONE HOUR	✓	2634.00	100.000
Nine Mile Ride	ONE HOUR	✓	775.00	100.000

Turning Proportions

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout (for whole period)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	17.000	1365.000	184.000
	New Forest Ride	199.000	0.000	231.000	198.000
	A322 Bagshot Rd (S)	2077.000	173.000	0.000	384.000
	Nine Mile Ride	52.000	85.000	638.000	0.000

Turning Proportions (PCU) - Coral Reef Roundabout (for whole period)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.01	0.87	0.12
	New Forest Ride	0.32	0.00	0.37	0.32
	A322 Bagshot Rd (S)	0.79	0.07	0.00	0.15
	Nine Mile Ride	0.07	0.11	0.82	0.00

Vehicle Mix

Average PCU Per Vehicle - Coral Reef Roundabout (for whole period)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout (for whole period)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Results

Results Summary for whole modelled period

Name	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)	Total Queueing Delay (PCU-min)	Average Queueing Delay (s)	Rate Of Queueing Delay (PCU-min/min)	Inclusive Total Queueing Delay (PCU-min)	Inclusive Average Queueing Delay (s)
A322 Bagshot Rd (N)	0.61	3.46	1.65	A	1436.99	2155.48	107.22	2.98	1.19	107.23	2.98
New Forest Ride	0.87	32.31	5.86	D	576.26	864.40	228.73	15.88	2.54	228.77	15.88
A322 Bagshot Rd (S)	1.07	114.50	105.94	F	2417.00	3625.51	2713.53	44.91	30.15	2713.59	44.91
Nine Mile Ride	2.19	1905.49	340.85	F	711.15	1066.73	14031.28	789.21	155.90	17401.01	978.75

Main Results for each time segment

Main results: (07:45-08:00)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1178.97	294.74	1175.76	1743.68	663.66	0.00	2735.05	2818.41	0.431	0.00	0.80	2.452	A
New Forest Ride	472.79	118.20	469.43	205.19	1634.23	0.00	1032.53	145.48	0.458	0.00	0.84	6.401	A
A322 Bagshot Rd (S)	1983.01	495.75	1973.94	1668.75	434.91	0.00	2880.70	2890.29	0.688	0.00	2.27	4.094	A
Nine Mile Ride	583.46	145.87	572.42	573.93	1834.92	0.00	787.77	399.32	0.741	0.00	2.76	16.604	C

Main results: (08:00-08:15)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1407.80	351.95	1406.45	2074.02	689.36	0.00	2713.91	2818.41	0.519	0.80	1.14	2.929	A
New Forest Ride	564.56	141.14	561.26	232.86	1862.96	0.00	895.65	145.48	0.630	0.84	1.66	10.739	B
A322 Bagshot Rd (S)	2367.91	591.98	2355.91	1904.15	520.06	0.00	2811.41	2890.29	0.842	2.27	5.27	8.027	A
Nine Mile Ride	696.71	174.18	573.08	685.67	2190.30	0.00	584.78	399.32	1.191	2.76	33.67	141.269	F

Main results: (08:15-08:30)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1724.20	431.05	1722.17	2360.69	551.45	0.00	2827.39	2818.41	0.610	1.14	1.65	3.462	A
New Forest Ride	691.44	172.86	676.14	239.31	2034.31	0.00	793.11	145.48	0.872	1.66	5.49	27.970	D
A322 Bagshot Rd (S)	2900.09	725.02	2687.86	2080.67	629.78	0.00	2722.13	2890.29	1.065	5.27	58.32	50.137	F
Nine Mile Ride	853.29	213.32	401.88	807.38	2510.26	0.00	402.03	399.32	2.122	33.67	146.52	837.188	F

Main results: (08:30-08:45)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1724.20	431.05	1724.20	2381.37	540.76	0.00	2836.18	2818.41	0.608	1.65	1.65	3.445	A
New Forest Ride	691.44	172.86	689.96	239.34	2025.62	0.00	798.31	145.48	0.866	5.49	5.86	32.308	D
A322 Bagshot Rd (S)	2900.09	725.02	2709.63	2076.83	638.76	0.00	2714.83	2890.29	1.068	58.32	105.94	114.503	F
Nine Mile Ride	853.29	213.32	388.89	815.15	2533.24	0.00	388.91	399.32	2.194	146.52	262.62	1905.486	F

Main results: (08:45-09:00)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1407.80	351.95	1410.18	2386.68	539.30	0.00	2837.38	2818.41	0.496	1.65	1.05	2.689	A
New Forest Ride	564.56	141.14	582.49	238.68	1710.81	0.00	986.70	145.48	0.572	5.86	1.38	9.351	A
A322 Bagshot Rd (S)	2367.91	591.98	2759.99	1759.38	533.92	0.00	2800.13	2890.29	0.846	105.94	7.92	76.009	F
Nine Mile Ride	696.71	174.18	383.78	751.71	2542.20	0.00	383.79	399.32	1.815	262.62	340.85	1866.122	F

Main results: (09:00-09:15)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1178.97	294.74	1179.59	1783.11	849.37	0.00	2582.24	2818.41	0.457	1.05	0.90	2.735	A
New Forest Ride	472.79	118.20	474.09	228.89	1800.07	0.00	933.28	145.48	0.507	1.38	1.05	7.917	A
A322 Bagshot Rd (S)	1983.01	495.75	2005.32	1835.86	438.30	0.00	2877.93	2890.29	0.689	7.92	2.34	4.405	A
Nine Mile Ride	583.46	145.87	769.27	580.42	1863.20	0.00	771.62	399.32	0.756	340.85	294.40	1486.838	F

Queueing Delay Results for each time segment

Queueing Delay results: (07:45-08:00)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	11.80	0.79	2.452	A	A
New Forest Ride	12.06	0.80	6.401	A	A
A322 Bagshot Rd (S)	32.52	2.17	4.094	A	A
Nine Mile Ride	36.44	2.43	16.604	C	B

Queueing Delay results: (08:00-08:15)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	16.77	1.12	2.929	A	A
New Forest Ride	23.44	1.56	10.739	B	B
A322 Bagshot Rd (S)	72.14	4.81	8.027	A	A
Nine Mile Ride	284.30	18.95	141.269	F	F

Queueing Delay results: (08:15-08:30)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	24.10	1.61	3.462	A	A
New Forest Ride	67.57	4.50	27.970	D	C
A322 Bagshot Rd (S)	506.63	33.78	50.137	F	D
Nine Mile Ride	1351.54	90.10	837.188	F	F

Queueing Delay results: (08:30-08:45)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	24.72	1.65	3.445	A	A
New Forest Ride	85.55	5.70	32.308	D	C
A322 Bagshot Rd (S)	1233.61	82.24	114.503	F	F
Nine Mile Ride	3068.56	204.57	1905.486	F	F

Queueing Delay results: (08:45-09:00)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	16.14	1.08	2.689	A	A
New Forest Ride	23.79	1.59	9.351	A	A
A322 Bagshot Rd (S)	830.61	55.37	76.009	F	E
Nine Mile Ride	4526.05	301.74	1866.122	F	F

Queueing Delay results: (09:00-09:15)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	13.68	0.91	2.735	A	A
New Forest Ride	16.32	1.09	7.917	A	A
A322 Bagshot Rd (S)	38.02	2.53	4.405	A	A
Nine Mile Ride	4764.39	317.63	1486.838	F	F

(Default Analysis Set) - 2026, PM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

Name	Roundabout Capacity Model	Description	Include In Report	Use Specific Demand Set(s)	Specific Demand Set (s)	Locked	Network Flow Scaling Factor (%)	Network Capacity Scaling Factor (%)	Reason For Scaling Factors
(Default Analysis Set)	ARCADY		✓				100.000	100.000	

Demand Set Details

Name	Scenario Name	Time Period Name	Description	Traffic Profile Type	Model Start Time (HH:mm)	Model Finish Time (HH:mm)	Model Time Period Length (min)	Time Segment Length (min)	Results For Central Hour Only	Single Time Segment Only	Locked	Run Automatically	Use Relationship	Relationship
2026, PM	2026	PM		ONE HOUR	16:45	18:15	90	15				✓		

Junction Network

Junctions

Junction	Name	Junction Type	Arm Order	Grade Separated	Large Roundabout	Do Geometric Delay	Junction Delay (s)	Junction LOS
1	Coral Reef Roundabout	Roundabout	A,B,C,D				228.08	F

Junction Network Options

Driving Side	Lighting
Left	Normal/unknown

Arms

Arms

Name	Arm	Name	Description
A322 Bagshot Rd (N)	A	A322 Bagshot Rd (N)	
New Forest Ride	B	New Forest Ride	
A322 Bagshot Rd (S)	C	A322 Bagshot Rd (S)	
Nine Mile Ride	D	Nine Mile Ride	

Capacity Options

Name	Minimum Capacity (PCU/hr)	Maximum Capacity (PCU/hr)	Assume Flat Start Profile	Initial Queue (PCU)
A322 Bagshot Rd (N)	0.00	99999.00		0.00
New Forest Ride	0.00	99999.00		0.00
A322 Bagshot Rd (S)	0.00	99999.00		0.00
Nine Mile Ride	0.00	99999.00		0.00

Roundabout Geometry

Name	V - Approach road half-width (m)	E - Entry width (m)	I' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Exit Only
A322 Bagshot Rd (N)	7.40	11.00	25.00	72.00	64.00	12.00	
New Forest Ride	3.70	9.30	16.00	24.00	64.00	19.00	
A322 Bagshot Rd (S)	6.60	11.40	30.00	33.00	64.00	9.00	
Nine Mile Ride	2.80	10.00	16.00	18.00	64.00	13.00	

Slope / Intercept / Capacity

Roundabout Slope and Intercept used in model

Name	Enter slope and intercept directly	Entered slope	Entered intercept (PCU/hr)	Final Slope	Final Intercept (PCU/hr)
A322 Bagshot Rd (N)		(calculated)	(calculated)	0.823	3281.160
New Forest Ride		(calculated)	(calculated)	0.598	2010.480
A322 Bagshot Rd (S)		(calculated)	(calculated)	0.814	3234.577
Nine Mile Ride		(calculated)	(calculated)	0.571	1835.821

The slope and intercept shown above include any corrections and adjustments.

Traffic Flows

Demand Set Data Options

Default Vehicle Mix	Vehicle Mix Varies Over Time	Vehicle Mix Varies Over Turn	Vehicle Mix Varies Over Entry	Vehicle Mix Source	PCU Factor for a HV (PCU)	Default Turning Proportions	Estimate from entry/exit counts	Turning Proportions Vary Over Time	Turning Proportions Vary Over Turn	Turning Proportions Vary Over Entry
		✓	✓	HV Percentages	2.00				✓	✓

Entry Flows

General Flows Data

Name	Profile Type	Use Turning Counts	Average Demand Flow (PCU/hr)	Flow Scaling Factor (%)
A322 Bagshot Rd (N)	ONE HOUR	✓	1952.00	100.000
New Forest Ride	ONE HOUR	✓	970.00	100.000
A322 Bagshot Rd (S)	ONE HOUR	✓	2373.00	100.000
Nine Mile Ride	ONE HOUR	✓	568.00	100.000

Turning Proportions

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout (for whole period)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	1.000	1877.000	74.000
	New Forest Ride	27.000	0.000	288.000	655.000
	A322 Bagshot Rd (S)	1945.000	86.000	0.000	342.000
	Nine Mile Ride	40.000	272.000	256.000	0.000

Turning Proportions (PCU) - Coral Reef Roundabout (for whole period)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.00	0.96	0.04
	New Forest Ride	0.03	0.00	0.30	0.68
	A322 Bagshot Rd (S)	0.82	0.04	0.00	0.14
	Nine Mile Ride	0.07	0.48	0.45	0.00

Vehicle Mix

Average PCU Per Vehicle - Coral Reef Roundabout (for whole period)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout (for whole period)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Results

Results Summary for whole modelled period

Name	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)	Total Queueing Delay (PCU-min)	Average Queueing Delay (s)	Rate Of Queueing Delay (PCU-min/min)	Inclusive Total Queueing Delay (PCU-min)	Inclusive Average Queueing Delay (s)
A322 Bagshot Rd (N)	0.77	6.04	3.56	A	1791.19	2686.78	191.45	4.28	2.13	191.46	4.28
New Forest Ride	1.85	1200.84	289.34	F	890.09	1335.13	12504.86	561.96	138.94	13934.28	626.20
A322 Bagshot Rd (S)	0.92	15.92	10.97	C	2177.51	3266.26	466.76	8.57	5.19	466.82	8.58
Nine Mile Ride	1.14	216.33	41.96	F	521.21	781.81	967.70	74.27	10.75	967.73	74.27

Main Results for each time segment

Main results: (16:45-17:00)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1469.57	367.39	1465.22	1508.15	458.93	0.00	2903.52	2928.08	0.506	0.00	1.09	2.665	A
New Forest Ride	730.27	182.57	720.60	268.43	1655.72	0.00	1019.66	166.72	0.716	0.00	2.42	11.727	B
A322 Bagshot Rd (S)	1786.52	446.63	1779.09	1814.12	562.19	0.00	2777.13	3048.87	0.643	0.00	1.86	3.730	A
Nine Mile Ride	427.62	106.91	424.34	798.54	1542.75	0.00	954.65	342.72	0.448	0.00	0.82	6.913	A

Main results: (17:00-17:15)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1754.81	438.70	1752.26	1800.49	547.92	0.00	2830.29	2928.08	0.620	1.09	1.72	3.556	A
New Forest Ride	872.01	218.00	795.82	320.52	1979.66	0.00	825.81	166.72	1.056	2.42	21.46	70.876	F
A322 Bagshot Rd (S)	2133.28	533.32	2126.14	2149.52	625.96	0.00	2725.24	3048.87	0.783	1.86	3.64	6.183	A
Nine Mile Ride	510.62	127.66	506.54	910.23	1841.87	0.00	783.80	342.72	0.651	0.82	1.84	13.113	B

Main results: (17:15-17:30)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	2149.19	537.30	2142.13	2174.32	598.18	0.00	2788.94	2928.08	0.771	1.72	3.49	5.878	A
New Forest Ride	1067.99	267.00	582.50	354.69	2385.61	0.00	582.88	166.72	1.832	21.46	142.84	520.912	F
A322 Bagshot Rd (S)	2612.72	653.18	2586.37	2477.36	490.76	0.00	2835.25	3048.87	0.922	3.64	10.23	13.786	B
Nine Mile Ride	625.38	156.34	542.66	847.30	2229.84	0.00	562.20	342.72	1.112	1.84	22.52	99.031	F

Main results: (17:30-17:45)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	2149.19	537.30	2148.93	2193.69	603.65	0.00	2784.43	2928.08	0.772	3.49	3.56	6.042	A
New Forest Ride	1067.99	267.00	577.44	357.93	2394.65	0.00	577.47	166.72	1.849	142.84	265.47	1057.546	F
A322 Bagshot Rd (S)	2612.72	653.18	2609.75	2484.63	487.46	0.00	2837.94	3048.87	0.921	10.23	10.97	15.920	C
Nine Mile Ride	625.38	156.34	547.64	847.51	2249.71	0.00	550.86	342.72	1.135	22.52	41.96	216.330	F

Main results: (17:45-18:00)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1754.81	438.70	1761.04	1840.77	700.59	0.00	2704.67	2928.08	0.649	3.56	2.00	4.101	A
New Forest Ride	872.01	218.00	776.55	399.80	2061.83	0.00	776.64	166.72	1.123	265.47	289.34	1200.837	F
A322 Bagshot Rd (S)	2133.28	533.32	2161.95	2225.63	612.75	0.00	2735.99	3048.87	0.780	10.97	3.80	6.837	A
Nine Mile Ride	510.62	127.66	669.37	902.72	1871.99	0.00	766.60	342.72	0.666	41.96	2.27	78.986	F

Main results: (18:00-18:15)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1469.57	367.39	1473.13	1527.85	467.70	0.00	2896.31	2928.08	0.507	2.00	1.11	2.709	A
New Forest Ride	730.27	182.57	1009.03	273.19	1667.64	0.00	1012.53	166.72	0.721	289.34	219.65	908.610	F
A322 Bagshot Rd (S)	1786.52	446.63	1792.56	1911.38	765.29	0.00	2611.87	3048.87	0.684	3.80	2.29	4.610	A
Nine Mile Ride	427.62	106.91	433.24	995.55	1562.30	0.00	943.48	342.72	0.453	2.27	0.86	7.308	A

Queueing Delay Results for each time segment

Queueing Delay results: (16:45-17:00)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	15.93	1.06	2.665	A	A
New Forest Ride	32.89	2.19	11.727	B	B
A322 Bagshot Rd (S)	26.80	1.79	3.730	A	A
Nine Mile Ride	11.76	0.78	6.913	A	A

Queueing Delay results: (17:00-17:15)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	25.16	1.68	3.556	A	A
New Forest Ride	198.56	13.24	70.876	F	E
A322 Bagshot Rd (S)	51.33	3.42	6.183	A	A
Nine Mile Ride	25.55	1.70	13.113	B	B

Queueing Delay results: (17:15-17:30)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	49.35	3.29	5.878	A	A
New Forest Ride	1232.64	82.18	520.912	F	F
A322 Bagshot Rd (S)	129.07	8.60	13.786	B	B
Nine Mile Ride	198.22	13.21	99.031	F	F

Queueing Delay results: (17:30-17:45)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	52.96	3.53	6.042	A	A
New Forest Ride	3062.33	204.16	1057.546	F	F
A322 Bagshot Rd (S)	159.92	10.66	15.920	C	B
Nine Mile Ride	484.57	32.30	216.330	F	F

Queueing Delay results: (17:45-18:00)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	31.08	2.07	4.101	A	A
New Forest Ride	4161.08	277.41	1200.837	F	F
A322 Bagshot Rd (S)	63.88	4.26	6.837	A	A
Nine Mile Ride	233.94	15.60	78.986	F	E

Queueing Delay results: (18:00-18:15)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	16.97	1.13	2.709	A	A
New Forest Ride	3817.37	254.49	908.610	F	F
A322 Bagshot Rd (S)	35.77	2.38	4.610	A	A
Nine Mile Ride	13.66	0.91	7.308	A	A

(Default Analysis Set) - 2013 90%, AM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

Name	Roundabout Capacity Model	Description	Include In Report	Use Specific Demand Set(s)	Specific Demand Set (s)	Locked	Network Flow Scaling Factor (%)	Network Capacity Scaling Factor (%)	Reason For Scaling Factors
(Default Analysis Set)	ARCADY		✓				100.000	100.000	

Demand Set Details

Name	Scenario Name	Time Period Name	Description	Traffic Profile Type	Model Start Time (HH:mm)	Model Finish Time (HH:mm)	Model Time Period Length (min)	Time Segment Length (min)	Results For Central Hour Only	Single Time Segment Only	Locked	Run Automatically	Use Relationship	Relationship
2013 90%, AM	2013 90%	AM		Varies by Arm	07:45	09:15	90	15				✓	✓	D1*0.9

Junction Network

Junctions

Junction	Name	Junction Type	Arm Order	Grade Separated	Large Roundabout	Do Geometric Delay	Junction Delay (s)	Junction LOS
1	Coral Reef Roundabout	Roundabout	A,B,C,D				46.34	E

Junction Network Options

Driving Side	Lighting
Left	Normal/unknown

Arms

Arms

Name	Arm	Name	Description
A322 Bagshot Rd (N)	A	A322 Bagshot Rd (N)	
New Forest Ride	B	New Forest Ride	
A322 Bagshot Rd (S)	C	A322 Bagshot Rd (S)	
Nine Mile Ride	D	Nine Mile Ride	

Capacity Options

Name	Minimum Capacity (PCU/hr)	Maximum Capacity (PCU/hr)	Assume Flat Start Profile	Initial Queue (PCU)
A322 Bagshot Rd (N)	0.00	99999.00		0.00
New Forest Ride	0.00	99999.00		0.00
A322 Bagshot Rd (S)	0.00	99999.00		0.00
Nine Mile Ride	0.00	99999.00		0.00

Roundabout Geometry

Name	V - Approach road half-width (m)	E - Entry width (m)	I' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Exit Only
A322 Bagshot Rd (N)	7.40	11.00	25.00	72.00	64.00	12.00	
New Forest Ride	3.70	9.30	16.00	24.00	64.00	19.00	
A322 Bagshot Rd (S)	6.60	11.40	30.00	33.00	64.00	9.00	
Nine Mile Ride	2.80	10.00	16.00	18.00	64.00	13.00	

Slope / Intercept / Capacity

Roundabout Slope and Intercept used in model

Name	Enter slope and intercept directly	Entered slope	Entered intercept (PCU/hr)	Final Slope	Final Intercept (PCU/hr)
A322 Bagshot Rd (N)		(calculated)	(calculated)	0.823	3281.160
New Forest Ride		(calculated)	(calculated)	0.598	2010.480
A322 Bagshot Rd (S)		(calculated)	(calculated)	0.814	3234.577
Nine Mile Ride		(calculated)	(calculated)	0.571	1835.821

The slope and intercept shown above include any corrections and adjustments.

Traffic Flows

Demand Set Data Options

Default Vehicle Mix	Vehicle Mix Varies Over Time	Vehicle Mix Varies Over Turn	Vehicle Mix Varies Over Entry	Vehicle Mix Source	PCU Factor for a HV (PCU)	Default Turning Proportions	Estimate from entry/exit counts	Turning Proportions Vary Over Time	Turning Proportions Vary Over Turn	Turning Proportions Vary Over Entry
	✓	✓	✓	HV Percentages	2.00			✓	✓	✓

Entry Flows

General Flows Data

Name	Profile Type	Use Turning Counts	Average Demand Flow (PCU/hr)	Flow Scaling Factor (%)
A322 Bagshot Rd (N)	DIRECT		N/A	100.000
New Forest Ride	DIRECT		N/A	100.000
A322 Bagshot Rd (S)	DIRECT		N/A	100.000
Nine Mile Ride	DIRECT		N/A	100.000

Turning Proportions

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (07:45-08:00)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	1.426	47.058	976.095	79.856
	New Forest Ride	37.181	0.000	104.784	154.809
	A322 Bagshot Rd (S)	1127.969	65.035	3.496	264.335
	Nine Mile Ride	85.123	148.040	207.256	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (07:45-08:00)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.04	0.88	0.07
	New Forest Ride	0.13	0.00	0.35	0.52
	A322 Bagshot Rd (S)	0.77	0.04	0.00	0.18
	Nine Mile Ride	0.19	0.34	0.47	0.00

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (08:00-08:15)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	0.000	0.000	0.000
	New Forest Ride	0.000	0.000	0.000	0.000
	A322 Bagshot Rd (S)	0.000	0.000	0.000	0.000
	Nine Mile Ride	0.000	0.000	0.000	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (08:00-08:15)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.25	0.25	0.25	0.25
	New Forest Ride	0.25	0.25	0.25	0.25
	A322 Bagshot Rd (S)	0.25	0.25	0.25	0.25
	Nine Mile Ride	0.25	0.25	0.25	0.25

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (08:15-08:30)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	0.000	0.000	0.000
	New Forest Ride	0.000	0.000	0.000	0.000
	A322 Bagshot Rd (S)	0.000	0.000	0.000	0.000
	Nine Mile Ride	0.000	0.000	0.000	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (08:15-08:30)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.25	0.25	0.25	0.25
	New Forest Ride	0.25	0.25	0.25	0.25
	A322 Bagshot Rd (S)	0.25	0.25	0.25	0.25
	Nine Mile Ride	0.25	0.25	0.25	0.25

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (08:30-08:45)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	0.000	0.000	0.000
	New Forest Ride	0.000	0.000	0.000	0.000
	A322 Bagshot Rd (S)	0.000	0.000	0.000	0.000
	Nine Mile Ride	0.000	0.000	0.000	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (08:30-08:45)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.25	0.25	0.25	0.25
	New Forest Ride	0.25	0.25	0.25	0.25
	A322 Bagshot Rd (S)	0.25	0.25	0.25	0.25
	Nine Mile Ride	0.25	0.25	0.25	0.25

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (08:45-09:00)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	0.000	0.000	0.000
	New Forest Ride	0.000	0.000	0.000	0.000
	A322 Bagshot Rd (S)	0.000	0.000	0.000	0.000
	Nine Mile Ride	0.000	0.000	0.000	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (08:45-09:00)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.25	0.25	0.25	0.25
	New Forest Ride	0.25	0.25	0.25	0.25
	A322 Bagshot Rd (S)	0.25	0.25	0.25	0.25
	Nine Mile Ride	0.25	0.25	0.25	0.25

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (09:00-09:15)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	0.000	0.000	0.000
	New Forest Ride	0.000	0.000	0.000	0.000
	A322 Bagshot Rd (S)	0.000	0.000	0.000	0.000
	Nine Mile Ride	0.000	0.000	0.000	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (09:00-09:15)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.25	0.25	0.25	0.25
	New Forest Ride	0.25	0.25	0.25	0.25
	A322 Bagshot Rd (S)	0.25	0.25	0.25	0.25
	Nine Mile Ride	0.25	0.25	0.25	0.25

Vehicle Mix

Average PCU Per Vehicle - Coral Reef Roundabout - (07:45-08:00)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.000	1.000	1.000
	New Forest Ride	1.000	1.000	1.000	1.000
	A322 Bagshot Rd (S)	1.000	1.000	1.000	1.000
	Nine Mile Ride	1.000	1.000	1.000	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (07:45-08:00)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	0.0	0.0	0.0
	New Forest Ride	0.0	0.0	0.0	0.0
	A322 Bagshot Rd (S)	0.0	0.0	0.0	0.0
	Nine Mile Ride	0.0	0.0	0.0	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (08:00-08:15)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.000	1.000	1.000
	New Forest Ride	1.000	1.000	1.000	1.000
	A322 Bagshot Rd (S)	1.000	1.000	1.000	1.000
	Nine Mile Ride	1.000	1.000	1.000	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (08:00-08:15)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	0.0	0.0	0.0
	New Forest Ride	0.0	0.0	0.0	0.0
	A322 Bagshot Rd (S)	0.0	0.0	0.0	0.0
	Nine Mile Ride	0.0	0.0	0.0	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (08:15-08:30)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.000	1.000	1.000
	New Forest Ride	1.000	1.000	1.000	1.000
	A322 Bagshot Rd (S)	1.000	1.000	1.000	1.000
	Nine Mile Ride	1.000	1.000	1.000	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (08:15-08:30)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	0.0	0.0	0.0
	New Forest Ride	0.0	0.0	0.0	0.0
	A322 Bagshot Rd (S)	0.0	0.0	0.0	0.0
	Nine Mile Ride	0.0	0.0	0.0	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (08:30-08:45)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.000	1.000	1.000
	New Forest Ride	1.000	1.000	1.000	1.000
	A322 Bagshot Rd (S)	1.000	1.000	1.000	1.000
	Nine Mile Ride	1.000	1.000	1.000	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (08:30-08:45)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	0.0	0.0	0.0
	New Forest Ride	0.0	0.0	0.0	0.0
	A322 Bagshot Rd (S)	0.0	0.0	0.0	0.0
	Nine Mile Ride	0.0	0.0	0.0	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (08:45-09:00)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.000	1.000	1.000
	New Forest Ride	1.000	1.000	1.000	1.000
	A322 Bagshot Rd (S)	1.000	1.000	1.000	1.000
	Nine Mile Ride	1.000	1.000	1.000	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (08:45-09:00)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	0.0	0.0	0.0
	New Forest Ride	0.0	0.0	0.0	0.0
	A322 Bagshot Rd (S)	0.0	0.0	0.0	0.0
	Nine Mile Ride	0.0	0.0	0.0	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (09:00-09:15)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.000	1.000	1.000
	New Forest Ride	1.000	1.000	1.000	1.000
	A322 Bagshot Rd (S)	1.000	1.000	1.000	1.000
	Nine Mile Ride	1.000	1.000	1.000	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (09:00-09:15)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	0.0	0.0	0.0
	New Forest Ride	0.0	0.0	0.0	0.0
	A322 Bagshot Rd (S)	0.0	0.0	0.0	0.0
	Nine Mile Ride	0.0	0.0	0.0	0.0

Results

Results Summary for whole modelled period

Name	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)	Total Queueing Delay (PCU-min)	Average Queueing Delay (s)	Rate Of Queueing Delay (PCU-min/min)	Inclusive Total Queueing Delay (PCU-min)	Inclusive Average Queueing Delay (s)
A322 Bagshot Rd (N)	0.82	10.11	4.40	B	1346.14	2019.22	195.21	5.80	2.17	195.22	5.80
New Forest Ride	0.54	9.86	1.17	A	361.72	542.59	60.72	6.71	0.67	60.73	6.72
A322 Bagshot Rd (S)	0.97	35.95	20.39	E	1780.54	2670.82	593.03	13.32	6.59	593.05	13.32
Nine Mile Ride	1.12	196.22	39.20	F	536.81	805.21	903.04	67.29	10.03	903.07	67.29

Main Results for each time segment

Main results: (07:45-08:00)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1104.43	276.11	1102.03	1248.16	421.62	0.00	2934.22	2874.24	0.376	0.00	0.60	1.962	A
New Forest Ride	296.77	74.19	295.54	259.02	1264.63	0.00	1253.70	235.06	0.237	0.00	0.31	3.752	A
A322 Bagshot Rd (S)	1460.83	365.21	1457.09	1287.87	272.30	0.00	3013.01	2938.72	0.485	0.00	0.94	2.308	A
Nine Mile Ride	440.42	110.10	437.90	497.50	1231.88	0.00	1132.21	442.09	0.389	0.00	0.63	5.166	A

Main results: (08:00-08:15)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1318.80	329.70	1315.11	982.83	1346.04	0.00	2173.54	2028.25	0.607	0.60	1.53	4.176	A
New Forest Ride	354.38	88.59	353.45	980.41	1680.74	0.00	1004.69	652.57	0.353	0.31	0.54	5.520	A
A322 Bagshot Rd (S)	1744.38	436.09	1737.38	983.05	1051.14	0.00	2379.27	1900.11	0.733	0.94	2.69	5.550	A
Nine Mile Ride	525.90	131.48	521.14	980.79	1807.74	0.00	803.29	545.87	0.655	0.63	1.82	12.553	B

Main results: (08:15-08:30)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1615.20	403.80	1604.71	1172.04	1576.02	0.00	1984.30	2028.25	0.814	1.53	4.15	9.240	A
New Forest Ride	434.02	108.51	431.65	1172.04	2008.69	0.00	808.44	652.57	0.537	0.54	1.13	9.555	A
A322 Bagshot Rd (S)	2136.42	534.11	2082.93	1172.04	1268.30	0.00	2202.57	1900.11	0.970	2.69	16.06	23.632	C
Nine Mile Ride	644.10	161.02	568.86	1172.04	2179.19	0.00	591.13	545.87	1.090	1.82	20.63	88.758	F

Main results: (08:30-08:45)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1615.20	403.80	1614.18	1184.24	1595.37	0.00	1968.38	2028.25	0.821	4.15	4.40	10.106	B
New Forest Ride	434.02	108.51	433.87	1184.24	2025.31	0.00	798.49	652.57	0.544	1.13	1.17	9.865	A
A322 Bagshot Rd (S)	2136.42	534.11	2119.09	1184.24	1274.95	0.00	2197.17	1900.11	0.972	16.06	20.39	35.954	E
Nine Mile Ride	644.10	161.02	569.81	1184.24	2209.80	0.00	573.65	545.87	1.123	20.63	39.20	196.220	F

Main results: (08:45-09:00)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1318.80	329.70	1329.05	1043.14	1500.84	0.00	2046.16	2028.25	0.645	4.40	1.84	5.091	A
New Forest Ride	354.38	88.59	356.62	1043.14	1786.75	0.00	941.25	652.57	0.377	1.17	0.61	6.182	A
A322 Bagshot Rd (S)	1744.38	436.09	1813.89	1043.14	1100.24	0.00	2339.32	1900.11	0.746	20.39	3.02	7.756	A
Nine Mile Ride	525.90	131.48	672.99	1043.14	1870.99	0.00	767.17	545.87	0.686	39.20	2.43	75.213	F

Main results: (09:00-09:15)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1104.43	276.11	1108.20	830.01	1143.15	0.00	2340.50	2028.23	0.472	1.84	0.90	2.929	A
New Forest Ride	296.77	74.19	297.83	830.01	1421.34	0.00	1159.92	652.57	0.256	0.61	0.35	4.182	A
A322 Bagshot Rd (S)	1460.83	365.21	1467.28	830.01	889.16	0.00	2511.08	1900.11	0.582	3.02	1.40	3.471	A
Nine Mile Ride	440.42	110.10	446.73	830.01	1526.43	0.00	963.97	545.88	0.457	2.43	0.85	7.044	A

Queueing Delay Results for each time segment

Queueing Delay results: (07:45-08:00)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	8.88	0.59	1.962	A	A
New Forest Ride	4.52	0.30	3.752	A	A
A322 Bagshot Rd (S)	13.76	0.92	2.308	A	A
Nine Mile Ride	9.14	0.61	5.166	A	A

Queueing Delay results: (08:00-08:15)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	22.08	1.47	4.176	A	A
New Forest Ride	7.88	0.53	5.520	A	A
A322 Bagshot Rd (S)	38.08	2.54	5.550	A	A
Nine Mile Ride	25.23	1.68	12.553	B	B

Queueing Delay results: (08:15-08:30)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	56.64	3.78	9.240	A	A
New Forest Ride	16.14	1.08	9.555	A	A
A322 Bagshot Rd (S)	176.49	11.77	23.632	C	C
Nine Mile Ride	184.86	12.32	88.758	F	F

Queueing Delay results: (08:30-08:45)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	64.68	4.31	10.106	B	B
New Forest Ride	17.39	1.16	9.865	A	A
A322 Bagshot Rd (S)	276.96	18.46	35.954	E	D
Nine Mile Ride	449.98	30.00	196.220	F	F

Queueing Delay results: (08:45-09:00)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	29.12	1.94	5.091	A	A
New Forest Ride	9.48	0.63	6.182	A	A
A322 Bagshot Rd (S)	65.99	4.40	7.756	A	A
Nine Mile Ride	220.28	14.69	75.213	F	E

Queueing Delay results: (09:00-09:15)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	13.81	0.92	2.929	A	A
New Forest Ride	5.31	0.35	4.182	A	A
A322 Bagshot Rd (S)	21.75	1.45	3.471	A	A
Nine Mile Ride	13.56	0.90	7.044	A	A

(Default Analysis Set) - 2013 90%, PM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

Name	Roundabout Capacity Model	Description	Include In Report	Use Specific Demand Set(s)	Specific Demand Set (s)	Locked	Network Flow Scaling Factor (%)	Network Capacity Scaling Factor (%)	Reason For Scaling Factors
(Default Analysis Set)	ARCADY		✓				100.000	100.000	

Demand Set Details

Name	Scenario Name	Time Period Name	Description	Traffic Profile Type	Model Start Time (HH:mm)	Model Finish Time (HH:mm)	Model Time Period Length (min)	Time Segment Length (min)	Results For Central Hour Only	Single Time Segment Only	Locked	Run Automatically	Use Relationship	Relationship
2013 90%, PM	2013 90%	PM		Varies by Arm	16:45	18:15	90	15				✓	✓	D2*0.9

Junction Network

Junctions

Junction	Name	Junction Type	Arm Order	Grade Separated	Large Roundabout	Do Geometric Delay	Junction Delay (s)	Junction LOS
1	Coral Reef Roundabout	Roundabout	A,B,C,D				10.60	B

Junction Network Options

Driving Side	Lighting
Left	Normal/unknown

Arms

Arms

Name	Arm	Name	Description
A322 Bagshot Rd (N)	A	A322 Bagshot Rd (N)	
New Forest Ride	B	New Forest Ride	
A322 Bagshot Rd (S)	C	A322 Bagshot Rd (S)	
Nine Mile Ride	D	Nine Mile Ride	

Capacity Options

Name	Minimum Capacity (PCU/hr)	Maximum Capacity (PCU/hr)	Assume Flat Start Profile	Initial Queue (PCU)
A322 Bagshot Rd (N)	0.00	99999.00		0.00
New Forest Ride	0.00	99999.00		0.00
A322 Bagshot Rd (S)	0.00	99999.00		0.00
Nine Mile Ride	0.00	99999.00		0.00

Roundabout Geometry

Name	V - Approach road half-width (m)	E - Entry width (m)	I' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Exit Only
A322 Bagshot Rd (N)	7.40	11.00	25.00	72.00	64.00	12.00	
New Forest Ride	3.70	9.30	16.00	24.00	64.00	19.00	
A322 Bagshot Rd (S)	6.60	11.40	30.00	33.00	64.00	9.00	
Nine Mile Ride	2.80	10.00	16.00	18.00	64.00	13.00	

Slope / Intercept / Capacity

Roundabout Slope and Intercept used in model

Name	Enter slope and intercept directly	Entered slope	Entered intercept (PCU/hr)	Final Slope	Final Intercept (PCU/hr)
A322 Bagshot Rd (N)		(calculated)	(calculated)	0.823	3281.160
New Forest Ride		(calculated)	(calculated)	0.598	2010.480
A322 Bagshot Rd (S)		(calculated)	(calculated)	0.814	3234.577
Nine Mile Ride		(calculated)	(calculated)	0.571	1835.821

The slope and intercept shown above include any corrections and adjustments.

Traffic Flows

Demand Set Data Options

Default Vehicle Mix	Vehicle Mix Varies Over Time	Vehicle Mix Varies Over Turn	Vehicle Mix Varies Over Entry	Vehicle Mix Source	PCU Factor for a HV (PCU)	Default Turning Proportions	Estimate from entry/exit counts	Turning Proportions Vary Over Time	Turning Proportions Vary Over Turn	Turning Proportions Vary Over Entry
	✓	✓	✓	HV Percentages	2.00			✓	✓	✓

Entry Flows

General Flows Data

Name	Profile Type	Use Turning Counts	Average Demand Flow (PCU/hr)	Flow Scaling Factor (%)
A322 Bagshot Rd (N)	DIRECT		N/A	100.000
New Forest Ride	DIRECT		N/A	100.000
A322 Bagshot Rd (S)	DIRECT		N/A	100.000
Nine Mile Ride	DIRECT		N/A	100.000

Turning Proportions

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (16:45-17:00)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	3.388	58.271	1075.299	61.659
	New Forest Ride	105.700	0.000	52.173	194.462
	A322 Bagshot Rd (S)	1152.542	119.252	4.743	342.849
	Nine Mile Ride	77.920	134.836	190.396	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (16:45-17:00)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.05	0.90	0.05
	New Forest Ride	0.30	0.00	0.15	0.55
	A322 Bagshot Rd (S)	0.71	0.07	0.00	0.21
	Nine Mile Ride	0.19	0.33	0.47	0.00

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (17:00-17:15)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	4.045	69.581	1284.012	73.626
	New Forest Ride	126.217	0.000	62.299	232.206
	A322 Bagshot Rd (S)	1376.248	142.398	5.664	409.395
	Nine Mile Ride	93.044	161.007	227.352	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (17:00-17:15)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.05	0.90	0.05
	New Forest Ride	0.30	0.00	0.15	0.55
	A322 Bagshot Rd (S)	0.71	0.07	0.00	0.21
	Nine Mile Ride	0.19	0.33	0.47	0.00

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (17:15-17:30)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	4.955	85.219	1572.588	90.174
	New Forest Ride	154.583	0.000	76.301	284.394
	A322 Bagshot Rd (S)	1685.552	174.402	6.936	501.405
	Nine Mile Ride	113.956	197.193	278.448	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (17:15-17:30)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.05	0.90	0.05
	New Forest Ride	0.30	0.00	0.15	0.55
	A322 Bagshot Rd (S)	0.71	0.07	0.00	0.21
	Nine Mile Ride	0.19	0.33	0.47	0.00

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (17:30-17:45)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	4.955	85.219	1572.588	90.174
	New Forest Ride	154.583	0.000	76.301	284.394
	A322 Bagshot Rd (S)	1685.552	174.402	6.936	501.405
	Nine Mile Ride	113.956	197.193	278.448	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (17:30-17:45)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.05	0.90	0.05
	New Forest Ride	0.30	0.00	0.15	0.55
	A322 Bagshot Rd (S)	0.71	0.07	0.00	0.21
	Nine Mile Ride	0.19	0.33	0.47	0.00

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (17:45-18:00)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	4.045	69.581	1284.012	73.626
	New Forest Ride	126.217	0.000	62.299	232.206
	A322 Bagshot Rd (S)	1376.248	142.398	5.664	409.395
	Nine Mile Ride	93.044	161.007	227.352	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (17:45-18:00)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.05	0.90	0.05
	New Forest Ride	0.30	0.00	0.15	0.55
	A322 Bagshot Rd (S)	0.71	0.07	0.00	0.21
	Nine Mile Ride	0.19	0.33	0.47	0.00

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (18:00-18:15)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	3.388	58.271	1075.299	61.659
	New Forest Ride	105.700	0.000	52.173	194.462
	A322 Bagshot Rd (S)	1152.542	119.252	4.743	342.849
	Nine Mile Ride	77.920	134.836	190.396	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (18:00-18:15)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.05	0.90	0.05
	New Forest Ride	0.30	0.00	0.15	0.55
	A322 Bagshot Rd (S)	0.71	0.07	0.00	0.21
	Nine Mile Ride	0.19	0.33	0.47	0.00

Vehicle Mix

Average PCU Per Vehicle - Coral Reef Roundabout - (16:45-17:00)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (16:45-17:00)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (17:00-17:15)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (17:00-17:15)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (17:15-17:30)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (17:15-17:30)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (17:30-17:45)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (17:30-17:45)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (17:45-18:00)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (17:45-18:00)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (18:00-18:15)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (18:00-18:15)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Results

Results Summary for whole modelled period

Name	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)	Total Queueing Delay (PCU-min)	Average Queueing Delay (s)	Rate Of Queueing Delay (PCU-min/min)	Inclusive Total Queueing Delay (PCU-min)	Inclusive Average Queueing Delay (s)
A322 Bagshot Rd (N)	0.64	3.87	1.87	A	1460.94	2191.41	109.84	3.01	1.22	109.85	3.01
New Forest Ride	0.61	11.06	1.56	B	429.44	644.17	77.07	7.18	0.86	77.08	7.18
A322 Bagshot Rd (S)	0.85	8.63	5.53	A	1973.80	2960.69	258.07	5.23	2.87	258.09	5.23
Nine Mile Ride	0.87	38.09	5.83	E	491.38	737.08	203.66	16.58	2.26	203.67	16.58

Main Results for each time segment

Main results: (16:45-17:00)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1198.62	299.65	1195.65	1334.94	446.77	0.00	2913.52	2785.17	0.411	0.00	0.74	2.228	A
New Forest Ride	352.33	88.08	350.70	310.99	1331.44	0.00	1213.72	286.68	0.290	0.00	0.41	4.195	A
A322 Bagshot Rd (S)	1619.39	404.85	1614.31	1318.49	363.65	0.00	2938.68	2912.87	0.551	0.00	1.27	2.819	A
Nine Mile Ride	403.15	100.79	400.59	596.84	1381.13	0.00	1046.96	470.70	0.385	0.00	0.64	5.729	A

Main results: (17:00-17:15)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1431.27	357.82	1429.93	1596.47	534.41	0.00	2841.41	2785.17	0.504	0.74	1.07	2.714	A
New Forest Ride	420.72	105.18	419.72	371.95	1592.39	0.00	1057.56	286.68	0.398	0.41	0.66	5.677	A
A322 Bagshot Rd (S)	1933.70	483.43	1930.39	1576.95	435.17	0.00	2880.48	2912.87	0.671	1.27	2.10	3.930	A
Nine Mile Ride	481.40	120.35	479.23	713.91	1651.65	0.00	892.45	470.70	0.539	0.64	1.18	8.943	A

Main results: (17:15-17:30)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1752.93	438.23	1749.84	1945.68	643.34	0.00	2751.78	2785.17	0.637	1.07	1.85	3.816	A
New Forest Ride	515.28	128.82	511.85	450.46	1942.72	0.00	847.92	286.68	0.608	0.66	1.52	10.686	B
A322 Bagshot Rd (S)	2368.30	592.07	2355.23	1923.55	531.02	0.00	2802.49	2912.87	0.845	2.10	5.36	8.147	A
Nine Mile Ride	589.60	147.40	573.93	871.16	2015.09	0.00	684.86	470.70	0.861	1.18	5.10	30.110	D

Main results: (17:30-17:45)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1752.93	438.23	1752.84	1957.95	654.56	0.00	2742.54	2785.17	0.639	1.85	1.87	3.874	A
New Forest Ride	515.28	128.82	515.11	455.78	1951.62	0.00	842.59	286.68	0.612	1.52	1.56	11.063	B
A322 Bagshot Rd (S)	2368.30	592.07	2367.62	1932.77	533.96	0.00	2800.10	2912.87	0.846	5.36	5.53	8.628	A
Nine Mile Ride	589.60	147.40	586.66	875.73	2025.85	0.00	678.72	470.70	0.869	5.10	5.83	38.092	E

Main results: (17:45-18:00)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1431.27	357.82	1434.36	1613.75	552.21	0.00	2826.76	2785.17	0.506	1.87	1.10	2.759	A
New Forest Ride	420.72	105.18	424.22	380.25	1606.32	0.00	1049.23	286.68	0.401	1.56	0.68	5.834	A
A322 Bagshot Rd (S)	1933.70	483.43	1947.19	1591.30	439.25	0.00	2877.17	2912.87	0.672	5.53	2.16	4.086	A
Nine Mile Ride	481.40	120.35	499.70	720.17	1666.26	0.00	884.10	470.70	0.545	5.83	1.26	10.106	B

Main results: (18:00-18:15)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1198.62	299.65	1200.02	1342.82	451.44	0.00	2909.68	2785.17	0.412	1.10	0.75	2.245	A
New Forest Ride	352.33	88.08	353.39	313.49	1337.97	0.00	1209.81	286.68	0.291	0.68	0.42	4.240	A
A322 Bagshot Rd (S)	1619.39	404.85	1622.88	1325.18	366.19	0.00	2936.61	2912.87	0.551	2.16	1.29	2.858	A
Nine Mile Ride	403.15	100.79	405.57	600.37	1388.70	0.00	1042.64	470.70	0.387	1.26	0.66	5.851	A

Queueing Delay Results for each time segment

Queueing Delay results: (16:45-17:00)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	10.92	0.73	2.228	A	A
New Forest Ride	5.98	0.40	4.195	A	A
A322 Bagshot Rd (S)	18.53	1.24	2.819	A	A
Nine Mile Ride	9.25	0.62	5.729	A	A

Queueing Delay results: (17:00-17:15)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	15.83	1.06	2.714	A	A
New Forest Ride	9.61	0.64	5.677	A	A
A322 Bagshot Rd (S)	30.44	2.03	3.930	A	A
Nine Mile Ride	16.92	1.13	8.943	A	A

Queueing Delay results: (17:15-17:30)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	26.86	1.79	3.816	A	A
New Forest Ride	21.32	1.42	10.686	B	B
A322 Bagshot Rd (S)	73.16	4.88	8.147	A	A
Nine Mile Ride	62.09	4.14	30.110	D	C

Queueing Delay results: (17:30-17:45)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	27.96	1.86	3.874	A	A
New Forest Ride	23.13	1.54	11.063	B	B
A322 Bagshot Rd (S)	82.01	5.47	8.628	A	A
Nine Mile Ride	83.05	5.54	38.092	E	D

Queueing Delay results: (17:45-18:00)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	16.86	1.12	2.759	A	A
New Forest Ride	10.63	0.71	5.834	A	A
A322 Bagshot Rd (S)	34.14	2.28	4.086	A	A
Nine Mile Ride	22.15	1.48	10.106	B	B

Queueing Delay results: (18:00-18:15)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	11.41	0.76	2.245	A	A
New Forest Ride	6.40	0.43	4.240	A	A
A322 Bagshot Rd (S)	19.79	1.32	2.858	A	A
Nine Mile Ride	10.20	0.68	5.851	A	A

(Default Analysis Set) - 2026 90%, AM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

Name	Roundabout Capacity Model	Description	Include In Report	Use Specific Demand Set(s)	Specific Demand Set (s)	Locked	Network Flow Scaling Factor (%)	Network Capacity Scaling Factor (%)	Reason For Scaling Factors
(Default Analysis Set)	ARCADY		✓				100.000	100.000	

Demand Set Details

Name	Scenario Name	Time Period Name	Description	Traffic Profile Type	Model Start Time (HH:mm)	Model Finish Time (HH:mm)	Model Time Period Length (min)	Time Segment Length (min)	Results For Central Hour Only	Single Time Segment Only	Locked	Run Automatically	Use Relationship	Relationship
2026 90%, AM	2026 90%	AM		Varies by Arm	07:45	09:15	90	15				✓	✓	D3*0.9

Junction Network

Junctions

Junction	Name	Junction Type	Arm Order	Grade Separated	Large Roundabout	Do Geometric Delay	Junction Delay (s)	Junction LOS
1	Coral Reef Roundabout	Roundabout	A,B,C,D				121.63	F

Junction Network Options

Driving Side	Lighting
Left	Normal/unknown

Arms

Arms

Name	Arm	Name	Description
A322 Bagshot Rd (N)	A	A322 Bagshot Rd (N)	
New Forest Ride	B	New Forest Ride	
A322 Bagshot Rd (S)	C	A322 Bagshot Rd (S)	
Nine Mile Ride	D	Nine Mile Ride	

Capacity Options

Name	Minimum Capacity (PCU/hr)	Maximum Capacity (PCU/hr)	Assume Flat Start Profile	Initial Queue (PCU)
A322 Bagshot Rd (N)	0.00	99999.00		0.00
New Forest Ride	0.00	99999.00		0.00
A322 Bagshot Rd (S)	0.00	99999.00		0.00
Nine Mile Ride	0.00	99999.00		0.00

Roundabout Geometry

Name	V - Approach road half-width (m)	E - Entry width (m)	I' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Exit Only
A322 Bagshot Rd (N)	7.40	11.00	25.00	72.00	64.00	12.00	
New Forest Ride	3.70	9.30	16.00	24.00	64.00	19.00	
A322 Bagshot Rd (S)	6.60	11.40	30.00	33.00	64.00	9.00	
Nine Mile Ride	2.80	10.00	16.00	18.00	64.00	13.00	

Slope / Intercept / Capacity

Roundabout Slope and Intercept used in model

Name	Enter slope and intercept directly	Entered slope	Entered intercept (PCU/hr)	Final Slope	Final Intercept (PCU/hr)
A322 Bagshot Rd (N)		(calculated)	(calculated)	0.823	3281.160
New Forest Ride		(calculated)	(calculated)	0.598	2010.480
A322 Bagshot Rd (S)		(calculated)	(calculated)	0.814	3234.577
Nine Mile Ride		(calculated)	(calculated)	0.571	1835.821

The slope and intercept shown above include any corrections and adjustments.

Traffic Flows

Demand Set Data Options

Default Vehicle Mix	Vehicle Mix Varies Over Time	Vehicle Mix Varies Over Turn	Vehicle Mix Varies Over Entry	Vehicle Mix Source	PCU Factor for a HV (PCU)	Default Turning Proportions	Estimate from entry/exit counts	Turning Proportions Vary Over Time	Turning Proportions Vary Over Turn	Turning Proportions Vary Over Entry
	✓	✓	✓	HV Percentages	2.00			✓	✓	✓

Entry Flows

General Flows Data

Name	Profile Type	Use Turning Counts	Average Demand Flow (PCU/hr)	Flow Scaling Factor (%)
A322 Bagshot Rd (N)	DIRECT		N/A	100.000
New Forest Ride	DIRECT		N/A	100.000
A322 Bagshot Rd (S)	DIRECT		N/A	100.000
Nine Mile Ride	DIRECT		N/A	100.000

Turning Proportions

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (07:45-08:00)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	11.519	924.879	124.672
	New Forest Ride	134.836	0.000	156.518	134.158
	A322 Bagshot Rd (S)	1407.307	117.219	0.000	260.186
	Nine Mile Ride	35.233	57.593	432.288	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (07:45-08:00)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.01	0.87	0.12
	New Forest Ride	0.32	0.00	0.37	0.32
	A322 Bagshot Rd (S)	0.79	0.07	0.00	0.15
	Nine Mile Ride	0.07	0.11	0.82	0.00

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (08:00-08:15)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	13.754	1104.396	148.871
	New Forest Ride	161.007	0.000	186.898	160.198
	A322 Bagshot Rd (S)	1680.462	139.971	0.000	310.687
	Nine Mile Ride	42.072	68.772	516.194	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (08:00-08:15)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.01	0.87	0.12
	New Forest Ride	0.32	0.00	0.37	0.32
	A322 Bagshot Rd (S)	0.79	0.07	0.00	0.15
	Nine Mile Ride	0.07	0.11	0.82	0.00

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (08:15-08:30)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	16.846	1352.604	182.329
	New Forest Ride	197.193	0.000	228.902	196.202
	A322 Bagshot Rd (S)	2058.138	171.429	0.000	380.513
	Nine Mile Ride	51.528	84.228	632.206	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (08:15-08:30)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.01	0.87	0.12
	New Forest Ride	0.32	0.00	0.37	0.32
	A322 Bagshot Rd (S)	0.79	0.07	0.00	0.15
	Nine Mile Ride	0.07	0.11	0.82	0.00

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (08:30-08:45)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	16.846	1352.604	182.329
	New Forest Ride	197.193	0.000	228.902	196.202
	A322 Bagshot Rd (S)	2058.138	171.429	0.000	380.513
	Nine Mile Ride	51.528	84.228	632.206	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (08:30-08:45)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.01	0.87	0.12
	New Forest Ride	0.32	0.00	0.37	0.32
	A322 Bagshot Rd (S)	0.79	0.07	0.00	0.15
	Nine Mile Ride	0.07	0.11	0.82	0.00

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (08:45-09:00)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	13.754	1104.396	148.871
	New Forest Ride	161.007	0.000	186.898	160.198
	A322 Bagshot Rd (S)	1680.462	139.971	0.000	310.687
	Nine Mile Ride	42.072	68.772	516.194	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (08:45-09:00)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.01	0.87	0.12
	New Forest Ride	0.32	0.00	0.37	0.32
	A322 Bagshot Rd (S)	0.79	0.07	0.00	0.15
	Nine Mile Ride	0.07	0.11	0.82	0.00

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (09:00-09:15)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	11.519	924.879	124.672
	New Forest Ride	134.836	0.000	156.518	134.158
	A322 Bagshot Rd (S)	1407.307	117.219	0.000	260.186
	Nine Mile Ride	35.233	57.593	432.288	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (09:00-09:15)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.01	0.87	0.12
	New Forest Ride	0.32	0.00	0.37	0.32
	A322 Bagshot Rd (S)	0.79	0.07	0.00	0.15
	Nine Mile Ride	0.07	0.11	0.82	0.00

Vehicle Mix

Average PCU Per Vehicle - Coral Reef Roundabout - (07:45-08:00)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (07:45-08:00)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (08:00-08:15)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (08:00-08:15)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (08:15-08:30)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (08:15-08:30)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (08:30-08:45)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (08:30-08:45)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (08:45-09:00)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (08:45-09:00)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (09:00-09:15)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (09:00-09:15)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Results

Results Summary for whole modelled period

Name	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)	Total Queueing Delay (PCU-min)	Average Queueing Delay (s)	Rate Of Queueing Delay (PCU-min/min)	Inclusive Total Queueing Delay (PCU-min)	Inclusive Average Queueing Delay (s)
A322 Bagshot Rd (N)	0.56	3.10	1.33	A	1293.29	1939.94	89.93	2.78	1.00	89.94	2.78
New Forest Ride	0.72	14.68	2.49	B	518.64	777.96	128.44	9.91	1.43	128.46	9.91
A322 Bagshot Rd (S)	0.94	21.26	14.49	C	2175.30	3262.96	508.08	9.34	5.65	508.11	9.34
Nine Mile Ride	1.69	788.95	159.78	F	640.04	960.06	6405.11	400.30	71.17	6523.10	407.67

Main Results for each time segment

Main results: (07:45-08:00)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1061.07	265.27	1058.46	1571.09	601.27	0.00	2786.39	2818.41	0.381	0.00	0.65	2.215	A
New Forest Ride	425.51	106.38	423.10	185.24	1474.49	0.00	1128.11	145.48	0.377	0.00	0.60	5.124	A
A322 Bagshot Rd (S)	1784.71	446.18	1778.20	1505.75	391.83	0.00	2915.75	2890.29	0.612	0.00	1.63	3.278	A
Nine Mile Ride	525.11	131.28	519.32	517.00	1653.03	0.00	891.66	399.32	0.589	0.00	1.45	9.889	A

Main results: (08:00-08:15)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1267.02	316.76	1265.88	1877.32	707.42	0.00	2699.04	2818.41	0.469	0.65	0.94	2.671	A
New Forest Ride	508.10	127.03	506.09	220.11	1753.20	0.00	961.33	145.48	0.529	0.60	1.11	7.927	A
A322 Bagshot Rd (S)	2131.12	532.78	2125.60	1790.62	468.67	0.00	2853.23	2890.29	0.747	1.63	3.01	5.115	A
Nine Mile Ride	627.04	156.76	608.65	618.18	1976.09	0.00	707.14	399.32	0.887	1.45	6.04	33.235	D

Main results: (08:15-08:30)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1551.78	387.94	1550.20	2254.23	605.42	0.00	2782.98	2818.41	0.558	0.94	1.33	3.104	A
New Forest Ride	622.30	155.57	616.85	237.02	1918.60	0.00	862.35	145.48	0.722	1.11	2.47	14.453	B
A322 Bagshot Rd (S)	2610.08	652.52	2571.06	1963.36	572.09	0.00	2769.07	2890.29	0.943	3.01	12.76	16.456	C
Nine Mile Ride	767.96	191.99	467.95	751.45	2391.70	0.00	469.75	399.32	1.635	6.04	81.05	355.160	F

Main results: (08:30-08:45)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1551.78	387.94	1551.78	2280.25	593.61	0.00	2792.70	2818.41	0.556	1.33	1.33	3.090	A
New Forest Ride	622.30	155.57	622.20	237.51	1907.88	0.00	868.77	145.48	0.716	2.47	2.49	14.677	B
A322 Bagshot Rd (S)	2610.08	652.52	2603.17	1954.42	575.66	0.00	2766.17	2890.29	0.944	12.76	14.49	21.262	C
Nine Mile Ride	767.96	191.99	453.03	758.01	2420.83	0.00	453.12	399.32	1.695	81.05	159.78	788.950	F

Main results: (08:45-09:00)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1267.02	316.76	1268.41	1924.18	774.22	0.00	2644.08	2818.41	0.479	1.33	0.99	2.790	A
New Forest Ride	508.10	127.03	513.09	230.93	1811.70	0.00	926.32	145.48	0.549	2.49	1.25	8.875	A
A322 Bagshot Rd (S)	2131.12	532.78	2176.43	1851.39	473.39	0.00	2849.39	2890.29	0.748	14.49	3.16	5.936	A
Nine Mile Ride	627.04	156.76	676.68	628.10	2021.72	0.00	681.07	399.32	0.921	159.78	147.37	732.696	F

Main results: (09:00-09:15)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1061.07	265.27	1061.88	1606.36	937.28	0.00	2509.90	2818.41	0.423	0.99	0.78	2.649	A
New Forest Ride	425.51	106.38	427.19	225.51	1773.65	0.00	949.09	145.48	0.448	1.25	0.83	6.966	A
A322 Bagshot Rd (S)	1784.71	446.18	1790.72	1806.02	394.82	0.00	2913.32	2890.29	0.613	3.16	1.66	3.359	A
Nine Mile Ride	525.11	131.28	878.62	520.52	1665.02	0.00	884.81	399.32	0.593	147.37	58.99	425.351	F

Queueing Delay Results for each time segment

Queueing Delay results: (07:45-08:00)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	9.61	0.64	2.215	A	A
New Forest Ride	8.77	0.58	5.124	A	A
A322 Bagshot Rd (S)	23.63	1.58	3.278	A	A
Nine Mile Ride	20.25	1.35	9.889	A	A

Queueing Delay results: (08:00-08:15)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	13.81	0.92	2.671	A	A
New Forest Ride	15.91	1.06	7.927	A	A
A322 Bagshot Rd (S)	42.96	2.86	5.115	A	A
Nine Mile Ride	71.95	4.80	33.235	D	C

Queueing Delay results: (08:15-08:30)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	19.55	1.30	3.104	A	A
New Forest Ride	33.83	2.26	14.453	B	B
A322 Bagshot Rd (S)	152.48	10.17	16.456	C	B
Nine Mile Ride	655.36	43.69	355.160	F	F

Queueing Delay results: (08:30-08:45)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	19.97	1.33	3.090	A	A
New Forest Ride	37.26	2.48	14.677	B	B
A322 Bagshot Rd (S)	206.47	13.76	21.262	C	C
Nine Mile Ride	1806.22	120.41	788.950	F	F

Queueing Delay results: (08:45-09:00)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	15.05	1.00	2.790	A	A
New Forest Ride	19.78	1.32	8.875	A	A
A322 Bagshot Rd (S)	56.81	3.79	5.936	A	A
Nine Mile Ride	2303.61	153.57	732.696	F	F

Queueing Delay results: (09:00-09:15)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	11.93	0.80	2.649	A	A
New Forest Ride	12.89	0.86	6.966	A	A
A322 Bagshot Rd (S)	25.73	1.72	3.359	A	A
Nine Mile Ride	1547.71	103.18	425.351	F	F

(Default Analysis Set) - 2026 90%, PM

Data Errors and Warnings

No errors or warnings

Analysis Set Details

Name	Roundabout Capacity Model	Description	Include In Report	Use Specific Demand Set(s)	Specific Demand Set (s)	Locked	Network Flow Scaling Factor (%)	Network Capacity Scaling Factor (%)	Reason For Scaling Factors
(Default Analysis Set)	ARCADY		✓				100.000	100.000	

Demand Set Details

Name	Scenario Name	Time Period Name	Description	Traffic Profile Type	Model Start Time (HH:mm)	Model Finish Time (HH:mm)	Model Time Period Length (min)	Time Segment Length (min)	Results For Central Hour Only	Single Time Segment Only	Locked	Run Automatically	Use Relationship	Relationship
2026 90%, FM	2026 90%	FM		Varies by Arm	16:45	18:15	90	15				✓	✓	D4*0.9

Junction Network

Junctions

Junction	Name	Junction Type	Arm Order	Grade Separated	Large Roundabout	Do Geometric Delay	Junction Delay (s)	Junction LOS
1	Coral Reef Roundabout	Roundabout	A,B,C,D				87.51	F

Junction Network Options

Driving Side	Lighting
Left	Normal/unknown

Arms

Arms

Name	Arm	Name	Description
A322 Bagshot Rd (N)	A	A322 Bagshot Rd (N)	
New Forest Ride	B	New Forest Ride	
A322 Bagshot Rd (S)	C	A322 Bagshot Rd (S)	
Nine Mile Ride	D	Nine Mile Ride	

Capacity Options

Name	Minimum Capacity (PCU/hr)	Maximum Capacity (PCU/hr)	Assume Flat Start Profile	Initial Queue (PCU)
A322 Bagshot Rd (N)	0.00	99999.00		0.00
New Forest Ride	0.00	99999.00		0.00
A322 Bagshot Rd (S)	0.00	99999.00		0.00
Nine Mile Ride	0.00	99999.00		0.00

Roundabout Geometry

Name	V - Approach road half-width (m)	E - Entry width (m)	I' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Exit Only
A322 Bagshot Rd (N)	7.40	11.00	25.00	72.00	64.00	12.00	
New Forest Ride	3.70	9.30	16.00	24.00	64.00	19.00	
A322 Bagshot Rd (S)	6.60	11.40	30.00	33.00	64.00	9.00	
Nine Mile Ride	2.80	10.00	16.00	18.00	64.00	13.00	

Slope / Intercept / Capacity

Roundabout Slope and Intercept used in model

Name	Enter slope and intercept directly	Entered slope	Entered intercept (PCU/hr)	Final Slope	Final Intercept (PCU/hr)
A322 Bagshot Rd (N)		(calculated)	(calculated)	0.823	3281.160
New Forest Ride		(calculated)	(calculated)	0.598	2010.480
A322 Bagshot Rd (S)		(calculated)	(calculated)	0.814	3234.577
Nine Mile Ride		(calculated)	(calculated)	0.571	1835.821

The slope and intercept shown above include any corrections and adjustments.

Traffic Flows

Demand Set Data Options

Default Vehicle Mix	Vehicle Mix Varies Over Time	Vehicle Mix Varies Over Turn	Vehicle Mix Varies Over Entry	Vehicle Mix Source	PCU Factor for a HV (PCU)	Default Turning Proportions	Estimate from entry/exit counts	Turning Proportions Vary Over Time	Turning Proportions Vary Over Turn	Turning Proportions Vary Over Entry
	✓	✓	✓	HV Percentages	2.00			✓	✓	✓

Entry Flows

General Flows Data

Name	Profile Type	Use Turning Counts	Average Demand Flow (PCU/hr)	Flow Scaling Factor (%)
A322 Bagshot Rd (N)	DIRECT		N/A	100.000
New Forest Ride	DIRECT		N/A	100.000
A322 Bagshot Rd (S)	DIRECT		N/A	100.000
Nine Mile Ride	DIRECT		N/A	100.000

Turning Proportions

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (16:45-17:00)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	0.678	1271.794	50.140
	New Forest Ride	18.294	0.000	195.139	443.807
	A322 Bagshot Rd (S)	1317.868	58.271	0.000	231.728
	Nine Mile Ride	27.103	184.298	173.457	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (16:45-17:00)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.00	0.96	0.04
	New Forest Ride	0.03	0.00	0.30	0.68
	A322 Bagshot Rd (S)	0.82	0.04	0.00	0.14
	Nine Mile Ride	0.07	0.48	0.45	0.00

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (17:00-17:15)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	0.809	1518.646	59.872
	New Forest Ride	21.845	0.000	233.015	529.948
	A322 Bagshot Rd (S)	1573.664	69.581	0.000	276.706
	Nine Mile Ride	32.363	220.070	207.125	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (17:00-17:15)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.00	0.96	0.04
	New Forest Ride	0.03	0.00	0.30	0.68
	A322 Bagshot Rd (S)	0.82	0.04	0.00	0.14
	Nine Mile Ride	0.07	0.48	0.45	0.00

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (17:15-17:30)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	0.991	1859.954	73.328
	New Forest Ride	26.755	0.000	285.385	649.052
	A322 Bagshot Rd (S)	1927.336	85.219	0.000	338.894
	Nine Mile Ride	39.637	269.530	253.675	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (17:15-17:30)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.00	0.96	0.04
	New Forest Ride	0.03	0.00	0.30	0.68
	A322 Bagshot Rd (S)	0.82	0.04	0.00	0.14
	Nine Mile Ride	0.07	0.48	0.45	0.00

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (17:30-17:45)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	0.991	1859.954	73.328
	New Forest Ride	26.755	0.000	285.385	649.052
	A322 Bagshot Rd (S)	1927.336	85.219	0.000	338.894
	Nine Mile Ride	39.637	269.530	253.675	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (17:30-17:45)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.00	0.96	0.04
	New Forest Ride	0.03	0.00	0.30	0.68
	A322 Bagshot Rd (S)	0.82	0.04	0.00	0.14
	Nine Mile Ride	0.07	0.48	0.45	0.00

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (17:45-18:00)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	0.809	1518.646	59.872
	New Forest Ride	21.845	0.000	233.015	529.948
	A322 Bagshot Rd (S)	1573.664	69.581	0.000	276.706
	Nine Mile Ride	32.363	220.070	207.125	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (17:45-18:00)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.00	0.96	0.04
	New Forest Ride	0.03	0.00	0.30	0.68
	A322 Bagshot Rd (S)	0.82	0.04	0.00	0.14
	Nine Mile Ride	0.07	0.48	0.45	0.00

Turning Counts / Proportions (PCU/hr) - Coral Reef Roundabout - (18:00-18:15)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.000	0.678	1271.794	50.140
	New Forest Ride	18.294	0.000	195.139	443.807
	A322 Bagshot Rd (S)	1317.868	58.271	0.000	231.728
	Nine Mile Ride	27.103	184.298	173.457	0.000

Turning Proportions (PCU) - Coral Reef Roundabout - (18:00-18:15)

		To			
		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
From	A322 Bagshot Rd (N)	0.00	0.00	0.96	0.04
	New Forest Ride	0.03	0.00	0.30	0.68
	A322 Bagshot Rd (S)	0.82	0.04	0.00	0.14
	Nine Mile Ride	0.07	0.48	0.45	0.00

Vehicle Mix

Average PCU Per Vehicle - Coral Reef Roundabout - (16:45-17:00)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (16:45-17:00)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (17:00-17:15)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (17:00-17:15)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (17:15-17:30)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (17:15-17:30)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (17:30-17:45)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (17:30-17:45)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (17:45-18:00)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (17:45-18:00)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Average PCU Per Vehicle - Coral Reef Roundabout - (18:00-18:15)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	1.000	1.030	1.069	1.036
	New Forest Ride	1.018	1.000	1.000	1.004
	A322 Bagshot Rd (S)	1.043	1.054	1.000	1.029
	Nine Mile Ride	1.058	1.005	1.041	1.000

Heavy Vehicle Percentages - Coral Reef Roundabout - (18:00-18:15)

		To			
From		A322 Bagshot Rd (N)	New Forest Ride	A322 Bagshot Rd (S)	Nine Mile Ride
	A322 Bagshot Rd (N)	0.0	3.0	6.9	3.6
	New Forest Ride	1.8	0.0	0.0	0.4
	A322 Bagshot Rd (S)	4.3	5.4	0.0	2.9
	Nine Mile Ride	5.8	0.5	4.1	0.0

Results

Results Summary for whole modelled period

Name	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)	Total Queueing Delay (PCU-min)	Average Queueing Delay (s)	Rate Of Queueing Delay (PCU-min/min)	Inclusive Total Queueing Delay (PCU-min)	Inclusive Average Queueing Delay (s)
A322 Bagshot Rd (N)	0.70	4.53	2.41	A	1612.07	2418.11	135.79	3.37	1.51	135.80	3.37
New Forest Ride	1.37	479.90	133.70	F	801.08	1201.62	4534.08	226.40	50.38	4534.15	226.40
A322 Bagshot Rd (S)	0.85	8.84	5.63	A	1959.76	2939.63	283.08	5.78	3.15	283.11	5.78
Nine Mile Ride	0.83	31.25	4.61	D	469.09	703.63	171.84	14.65	1.91	171.85	14.65

Main Results for each time segment

Main results: (16:45-17:00)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1322.61	330.65	1319.14	1358.45	413.62	0.00	2940.81	2928.08	0.450	0.00	0.87	2.365	A
New Forest Ride	657.24	164.31	651.64	241.91	1490.85	0.00	1118.33	166.72	0.588	0.00	1.40	7.650	A
A322 Bagshot Rd (S)	1607.87	401.97	1602.39	1634.32	508.17	0.00	2821.08	3048.87	0.570	0.00	1.37	3.062	A
Nine Mile Ride	384.86	96.21	382.48	720.97	1389.59	0.00	1042.13	342.72	0.369	0.00	0.59	5.571	A

Main results: (17:00-17:15)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1579.33	394.83	1577.63	1624.06	494.82	0.00	2873.99	2928.08	0.550	0.87	1.29	2.961	A
New Forest Ride	784.81	196.20	772.89	289.38	1783.07	0.00	943.46	166.72	0.832	1.40	4.38	19.931	C
A322 Bagshot Rd (S)	1919.95	479.99	1915.88	1952.74	603.22	0.00	2743.75	3048.87	0.700	1.37	2.39	4.505	A
Nine Mile Ride	459.56	114.89	457.61	857.82	1661.27	0.00	886.95	342.72	0.518	0.59	1.08	8.552	A

Main results: (17:15-17:30)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1934.27	483.57	1929.95	1975.54	596.53	0.00	2790.29	2928.08	0.693	1.29	2.37	4.445	A
New Forest Ride	961.19	240.30	703.05	349.39	2177.08	0.00	707.67	166.72	1.358	4.38	68.92	200.484	F
A322 Bagshot Rd (S)	2351.45	587.86	2339.08	2312.66	567.47	0.00	2772.83	3048.87	0.848	2.39	5.48	8.409	A
Nine Mile Ride	562.84	140.71	550.53	885.02	2021.54	0.00	681.18	342.72	0.826	1.08	4.16	26.147	D

Main results: (17:30-17:45)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1934.27	483.57	1934.12	1985.89	606.73	0.00	2781.90	2928.08	0.695	2.37	2.41	4.532	A
New Forest Ride	961.19	240.30	702.07	354.86	2186.00	0.00	702.33	166.72	1.369	68.92	133.70	479.898	F
A322 Bagshot Rd (S)	2351.45	587.86	2350.85	2321.13	566.94	0.00	2773.26	3048.87	0.848	5.48	5.63	8.840	A
Nine Mile Ride	562.84	140.71	561.05	886.21	2031.58	0.00	675.44	342.72	0.833	4.16	4.61	31.248	D

Main results: (17:45-18:00)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1579.33	394.83	1583.68	1642.21	510.04	0.00	2861.46	2928.08	0.552	2.41	1.32	3.017	A
New Forest Ride	784.81	196.20	928.62	297.50	1796.22	0.00	935.59	166.72	0.839	133.70	97.74	434.529	F
A322 Bagshot Rd (S)	1919.95	479.99	1931.37	2011.90	712.94	0.00	2654.46	3048.87	0.723	5.63	2.78	5.265	A
Nine Mile Ride	459.56	114.89	473.38	965.44	1678.87	0.00	876.90	342.72	0.524	4.61	1.15	9.442	A

Main results: (18:00-18:15)

Name	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Entry Flow (PCU/hr)	Exit Flow (PCU/hr)	Circulating Flow (PCU/hr)	Pedestrian Demand (Ped/hr)	Capacity (PCU/hr)	Saturation Capacity (PCU/hr)	RFC	Start Queue (PCU)	End Queue (PCU)	Delay (s)	LOS
A322 Bagshot Rd (N)	1322.61	330.65	1324.40	1377.61	418.17	0.00	2937.06	2928.08	0.450	1.32	0.88	2.385	A
New Forest Ride	657.24	164.31	1041.76	244.43	1498.14	0.00	1113.96	166.72	0.590	97.74	1.61	144.705	F
A322 Bagshot Rd (S)	1607.87	401.97	1612.13	1757.24	782.66	0.00	2597.73	3048.87	0.619	2.78	1.71	3.819	A
Nine Mile Ride	384.86	96.21	387.00	986.01	1408.79	0.00	1031.16	342.72	0.373	1.15	0.62	5.746	A

Queueing Delay Results for each time segment

Queueing Delay results: (16:45-17:00)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	12.77	0.85	2.365	A	A
New Forest Ride	19.82	1.32	7.650	A	A
A322 Bagshot Rd (S)	19.95	1.33	3.062	A	A
Nine Mile Ride	8.60	0.57	5.571	A	A

Queueing Delay results: (17:00-17:15)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	18.99	1.27	2.961	A	A
New Forest Ride	56.47	3.76	19.931	C	B
A322 Bagshot Rd (S)	34.42	2.29	4.505	A	A
Nine Mile Ride	15.49	1.03	8.552	A	A

Queueing Delay results: (17:15-17:30)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	34.24	2.28	4.445	A	A
New Forest Ride	555.29	37.02	200.484	F	F
A322 Bagshot Rd (S)	74.76	4.98	8.409	A	A
Nine Mile Ride	52.29	3.49	26.147	D	C

Queueing Delay results: (17:30-17:45)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	35.99	2.40	4.532	A	A
New Forest Ride	1519.70	101.31	479.898	F	F
A322 Bagshot Rd (S)	83.56	5.57	8.840	A	A
Nine Mile Ride	66.46	4.43	31.248	D	C

Queueing Delay results: (17:45-18:00)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	20.39	1.36	3.017	A	A
New Forest Ride	1735.80	115.72	434.529	F	F
A322 Bagshot Rd (S)	43.91	2.93	5.265	A	A
Nine Mile Ride	19.45	1.30	9.442	A	A

Queueing Delay results: (18:00-18:15)

Name	Queueing Total Delay (PCU-min)	Queueing Rate Of Delay (PCU-min/min)	Average Delay Per Arriving Vehicle (s)	Unsignalised Level Of Service	Signalised Level Of Service
A322 Bagshot Rd (N)	13.41	0.89	2.385	A	A
New Forest Ride	647.00	43.13	144.705	F	F
A322 Bagshot Rd (S)	26.48	1.77	3.819	A	A
Nine Mile Ride	9.55	0.64	5.746	A	A